

SRI SARADA COLLEGE FOR WOMEN (Autonomous)
TIRUNELVELI 627011
ODD SEMESTER (2023-24)
COURSE TEACHING/LECTURE/EXAM PLAN

Department	Name of the faculty/s for the course	Academic year	Class
Tamil	1. Dr.T.Dhanalakshmi 2. Dr. K. Sindhu 3. Dr. S. Abila Sundari 4. Dr.C. Renuga	2023-2024	1 Year Stream A & Stream B
Semester	Course code	Course title	
I	23UPITAI	Pothu Tamil - I	

Title of the book (Text/Reference)	Author/s	Edition & Publisher
1. தமிழ் இலக்கிய வரலாறு	மு. வரதராசன்	சாகித்ய அக்காதெமி, புதுடெல்லி.
2. தமிழ் இலக்கிய வரலாறு	மது.ச. விமலாநத்தன்	மீனாட்சி புத்தக நிலையம், மதுரை.
3. புதிய நோக்கில் தமிழ் இலக்கிய வரலாறு	தமிழ்ணினல்	மீனாட்சி புத்தக நிலையம், மதுரை.
4. தமிழ் இலக்கிய வரலாறு	முனைவர். சிற்பி பாலகப்ரமணியம், முனைவர்.சொ.சேதுபதி	சுவிதா பப்ளிகேஷன், சென்னை.
5. புதிய தமிழ் இலக்கிய வரலாறு	முனைவர். சிற்பி பாலகப்ரமணியம், தீ.பத்மநாபன்	சாகித்ய அக்காதெமி, புதுடெல்லி.
6. தமிழ் இலக்கிய வரலாறு	டாக்டர். அ.கா.பெருமாள்	சுதர்சன்புக், நாகர்கோயில்.
7. தமிழ் இலக்கிய வரலாறு	முனைவர்.ப.ஏகநாசன்	-
8. தமிழ் இலக்கிய வரலாறு	ஸ்ரீ.குமார்	-
9. வகைமை நோக்கில் தமிழ் இலக்கிய வரலாறு	பாக்கியமேரி	-
10. தமிழ் பயிற்றும் முறை	பேராசிரியர். ந.சுப்புரெட்டியார்	மணிவாசகர் பதிப்பகம், சிதம்பரம்.

Unit No	Topics	No. of hours	Proposed days/date	Remarks-Faculty/ Teaching aids
I	<p>தமிழ் இலக்கிய இலக்கண வரலாறு அறிமுகம்</p> <p>1. இலக்கணம்</p> <p>அ. தொல்காப்பியம், இறையனார் களவியல் உரை, நம்பியகப்பொருள், புறப்பொருள் வெண்பா மாலை, நன்னூல், தன்டியலங்காரம், யாப்பருங்கலக்காரிகை - நூல்கள்</p> <p>ஆ. மொழிப்பயிற்சி - ஒற்றுப்பிழை தவிர்ந்தல்,</p> <ul style="list-style-type: none"> • வல்லினம் மிகும் இடங்கள் • வல்லினம் மிகா இடங்கள், • ஈரொற்று வரும் இடங்கள் • ஒரு, ஓர் வரும் இடங்கள் • அது, அஃது வரும் இடங்கள் • தான், தாம் வரும் இடங்கள் <p>பயிற்சி : வல்லினம் மிகும் இடங்கள் , வல்லினம் மிகா இடங்கள், தவறாக வரும் வகையில் ஒரு பத்தி கொடுத்து ஒற்றுப்பிழை திருத்தி எழுதச் செய்தல்</p>	03	15	Black Board
	2. சங்க இலக்கியம் - எட்டுத்தொகை, பத்துப்பாட்டு	03		
	3. அற இலக்கியம் - பதினெண் கீழ்க்கணக்கு நூல்கள்	03		
	4. காப்பிய இலக்கியம் - ஐம்பெருங்காப்பியங்கள், ஐய்சிறுகாப்பியங்கள், சமயக் காப்பியங்கள்	03		

	5. பக்தி இலக்கியமும் (பன்விரு திருமுறைகள், நாலாயிர தில்லியம் பிரபந்தம்) - பகுத்தறிவு இலக்கியமும் (சித்தர் இலக்கியங்கள், புலவர் குறந்தையின் இராவண காவியம்)	03		
II	சங்க இலக்கியம் எட்டுத்தொகை 1. நற்றிணை - முதல் பாடல் - தின்ற சொல்லி 2. குறுந்தொகை 3 ஆம் பாடல் - நிலத்தினும் பெரிதே 3. ஐங்குறுநூறு - நெல் பல போலிக் கொள் பெரிது சிறக்கி (முதல்பாடல்) - வேட்கைப்பத்து 4. கலித்தொகை - 51- கடந்தொடுக்க கேளாய் - குறிஞ்சிக்கலி 5. புறநானூறு - 169 - தென்கடல் வளாகம் பொதுமையின்றி, நாடா கொன்றோ - 187	10	15	Black Board & Screen shared
	பத்துப்பாட்டு 1. முல்லைப்பாட்டு (முழுவுதும்)	05		
III	அற இலக்கியம் 1. திருக்குறள் - அறன் வலியுறுத்தல் அதிகாரம்	02	10	Black Board
	2. நாலடியார் - பாடல்:131 (குஞ்சியழகும்)	02		
	3. நான்மணிக்கடிகை - நிலத்துக்கு அணியென்ப	02		
	4. பழமொழி நானூறு - தம் தடை நோக்கார்	02		
	5. இளியவை நாற்பது -37 இளமையை மூப்பு என்று	02		
IV	காப்பிய இலக்கியம் 1. சிலப்பதிகாரம் - வழுக்குரை காதை	03	25	Black Board
	2. மணிமேகலை - பாத்திரம் பெற்ற காதை	04		
	3. பெரியபுராணம் - பூசலார் நாயனார் புராணம்	05		
	4. கம்பராமாயணம் - குகப் படலம்	05		
	5. சீறாப்புராணம் - மானுக்குப் பிணை தின்ற படலம்	05		
	6. இயேசு காவியம் - ஊதாரிப்பிள்ளை	03		
V	பக்தி இலக்கியமும், பகுத்தறிவு இலக்கியமும் பக்தி இலக்கியம் : 1. திருநாவுக்கரசர் தேவாரம் - நாமாக்கும் குடியல்லேம் எனத் தொடங்கும் பாடல் மட்டும் 2. மாணிக்கவாசகர் திருவாசகம் நமச்சிவாய வாழ்க நாதன் தான் வாழ்க முதல் சிரம்குவிவார் ஒங்குவிக்கும் சீரோன் கழல் வெல்க வரை 3. பொய்கையாழ்வார் - வையந் தகளியா வர்கடலே 4. பூத்தாழ்வார் - அன்பே தகளியா 5. பேயாழ்வார் - திருக்கண்டேள் பொன்மேளி கண்டேள் 6. ஆண்டாள் - திருப்பாவை மார்கழித்திங்கள் (முதல் பாடல்)	10	25	Black Board
	பகுத்தறிவு இலக்கியம் : 1. திருமுல்லை - திருமுத்திரம் (270, 271, 274, 275, 285) 2. பட்டினத்தார் - திருவிடை மருதார் (காடே திரிந்து - எனத் தொடங்கும் பாடல், பாடல் எண்: 279,280) 3. கடுவெளி சித்தர் - பாபஞ் செய்யாதிரு மளமே (பாடல் முழுவுதும்) 4. இராவண காவியம் - தாய்மொழிப் படலம் (18- ஏடுகையில்லாரில்லை முதல் - 22 செந்தமிழ் வளர்த்தார் வரை)	15		

Date of CIAs: As per college calendar/need based amendments. 1. சீரமே


Principal


HoD

2. சிந்தி
3. சி. சிபிபா சிந்தி
4. ரிஷி ரிஷி
Course Teacher

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Tamil	1. Dr.T.Dhanalakshmi 2. Dr. K.Sindhu 3. Dr.S.Abila sundari 4. Dr.C. Renuga	2023-2024	II Year Stream A
Semester	Course code	Course title	
III	22P1TA3	Kappiya Ilakkiyam	

Title of the book (Text/Reference)	Author/s	Edition & Publisher
1. செய்வியல் தானங்கள் (உரைநடை, செய்ப்பு)	தொகுப்பாசிரியர்கள் முனைவர் த. தனசெல்குமி திருமதி கு.காத்திரை	தயோவன அச்சுப்பள்ளி, ஸ்ரீஇராமகிருஷ்ணதயோவனம், திருப்பரங்குடி
2. தமிழ் இலக்கணம் (,யாப்பிலக்கணம்) (அளவியிலக்கணம்)	தொகுப்பாசிரியர்கள் முனைவர் த. தனசெல்குமி செல்வி ப.பேச்சியம்மாள்	தயோவன அச்சுப்பள்ளி, ஸ்ரீஇராமகிருஷ்ணதயோவனம், திருப்பரங்குடி
3. தன்னார்	அசோகமித்திரன்	காலக்கவடு பதிப்பகம், நாகர்கோவில்.
4. இலக்கியவரலாறு	முனைவர் க. ஆனந்தன்	கன்மணி பதிப்பகம், திருச்சி.

Unit No	Topics	No. of hours	Proposed days/date	Remarks-Faculty/ Teaching aids
I	1. சிலப்பதிகாரம் - களத்திறமுரைத்தகாதை (1-83 அடிகள்)	05	25	Black Board
	2. மணிமேகலை - பாத்திரம் பெற்ற காதை (1-81 அடிகள்)	05		
	3. கம்பராமாயணம்- கிட்கிந்தா காண்டம் - துத்துயிப் படலம் (15 பாடல்கள்)	05		
	4. பெரியபுராணம்- இளையாள்சூடியாற நாயனார் புராணம் (27 பாடல்கள்)	04		
	5. சீறாப்புராணம்- புனிவசனித்தபடலம் (14 பாடல்கள்)	03		
	6. இரட்சணிய யாத்திரிகம் - குரு தரிசனப்படலம் (15 பாடல்கள்) மனோன்மனீயம்- தமிழ்ந்தெய்வவணக்கம்	03		
II	யாப்புஉறுப்புகள் -எழுத்து, அசை, சீர், தளை, அடி, தொடை	10	25	Black Board
	பாவகைகள் - வெண்பா, ஆசிரியப்பா பொதுஇலக்கணம்-வகைமொழி	05		
	அளிஇலக்கணம் உவமைமணி - உருவகஅளிப்புமுறப்புகழ்ச்சியணி, பின்வருநிலையணி அறிமுகம் (வகைகள் தீர்க்கலாக)	05		
	மொழிப்பயிற்சி (ஒரொழுத்து ஒருமொழி - மரபுச் சொற்கள் - வடிவச் சொல் தீர்க்குதல்)	05		
III	ரா.பி சேதுபிள்ளையின் காப்பியப் பாடல்கள் (தேர்த்தெடுக்கப்பட்ட கட்டுரைகள்)	05	15	Black Board
	சிலப்பதிகாரம் - கன்னகி கூத்து - அழகராபி மாதிரும்மலாப்பொய்கையும் - காளத்திவேடனும் கங்கை வேடனும் -	05		
	தனவெண்பா - வாழ்க்கையும் வைரக்கியமும் - இராமலையும் தமிழ்மலையே - தமிழ்த்தாய் வாழ்த்து	05		
IV	அசோகமித்திரன் - தன்னார்	10	10	Black Board
V	1. ஐம்பெரும் காப்பியங்கள் - சிலப்பதிகாரம், சீவகசிந்தாமணி, மணிமேகலை, வளையாபதி, குண்டலகேசி	05	15	Black Board
	2. ஐஞ்சிறுகாப்பியங்கள், உதயனகுமாரசுவாமியம், தீவகேசி, குளாமணி- யசோதரகாவியம், நாககுமாரசுவாமியம்,	05		
	3. சிற்றிலக்கியங்கள்-பிள்ளைத்தமிழ், பரணி, உலா, குறவஞ்சி, பள்ளு	05		

Date of CIAs: As per college calendar/need based amendments.


Principal


HoD

1. ஸாமி
2. சிந்தி
3. சி. அயிலா சிந்திரி
4. சி. சீரணகா
Course Teacher

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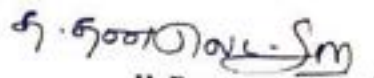
Department	Name of the faculty/s for the course	Academic year	Class
Tamil	1. Dr.T.Dhanalakshmi 2. Dr. K.Sindhu 3.Dr.S.Abila sundari 4. Dr.C. Renuga	2023-2024	II Year Stream B
Semester	Course code	Course title	
III	22PITB3	Kaviya Ilakkiyam	

Title of the book (Text/Reference)	Author/s	Edition & Publisher
1. செவ்வியல் நான்குகள் (உரைநடை, செய்புள்)	தொகுப்பாசிரியர்கள் முனைவர் த. தனவெட்கமி திருமதி முகாத்திரன்	தபோவன அச்சுப்பள்ளி, ஸ்ரீஇராமலிங்கமுனையபோவனம், திருப்பராய்த்துறை
2. தமிழ் இலக்கணம் (பாட்பிலக்கணம்) (அணியிலக்கணம்)	தொகுப்பாசிரியர்கள் முனைவர் த. தனவெட்கமி செல்வி ப.பேச்சியம்மாள்	தபோவன அச்சுப்பள்ளி, ஸ்ரீஇராமலிங்கமுனையபோவனம், திருப்பராய்த்துறை.
3 தன்னீர்	அசோகமித்திரன்	காலக்கவடு பதிப்பகம், தூக்கர்கோவில்.
4 இலக்கியவரலாறு	முனைவர் க.ஆனந்தன் .	கன்மணி பதிப்பகம், திருச்சி.

Unit No	Topics	No. of hours	Proposed days/date	Remarks-Faculty/ Teaching aids
I	சிலப்பதிகாரம் - களத்திறமுரைத்த காதை (1 - 63 அடிகள்)	08	20	Black Board & Screen shared
	மணிமேகலை - பாத்திரம் பெற்ற காதை (1 - 81 அடிகள்)	08		
	மனோன்மனியம்- தமிழ்த்தெய்வவளக்கம்	04		
II	யாப்பு உறுப்புகள் - எழுத்து, அசை, சீர், தளை, அடி, தொடை	09	20	Black Board & Screen shared
	பாவகைகள் - வெண்பா பொது இலக்கணம்-வகைகளைமொன்று	08		
	மொழிப்பயிற்சி (ஒரொழுத்து ஒருமொழி - மரபுச் சொற்கள் - பிறமொழிச் சொற்கள் தீக்குறள்)	03		
III	ரா.பி சேதுபிள்ளையின் காப்பியப் பாண்வ (தேர்த்தெடுக்கப்பட்ட கட்டுரைகள்)	08	20	Black Board
	கண்ணகிக் கூத்து - அழந்தகாவி - மாதரும் மலர்ப் பொய்கையும்	08		
	காளத்தி வேடனும் கங்கை வேடனும் - தனவெண்பா	04		
IV	அசோகமித்திரன் - தன்னீர்	10	10	Black Board
V	பெருங்காப்பிய அளவப்பு - ஐஞ்சிறுகாப்பியங்கள் - குறாமணி, நீலகேசி	10	20	Black Board
	உதயனாகுமாரசுவாமியம், யசோதரகாமியம், நாககுமாரசுவாமியம்	05		
	சிறிலக்கியங்கள் - உலா, குறவஞ்சி, பள்ளு	05		

Date of CIAs: As per college calendar/need based amendments.


Principal


HoD

1. சீராஜ்
2. சிந்தி
3. சி. அபிஷா சிங்காரி
A.சி. சீரணுகா
Course Teacher

SRI SARADA COLLEGE FOR WOMEN (Autonomous)
TIRUNELVELI 627011
COURSE TEACHING/LECTURE/EXAM PLAN

Department	Name of the faculty/s for the course	Academic year	Class
Tamil	Dr.C. Remuga	2023-2024	I Year Stream A & B II Year Stream A & B
Semester	Course code	Course title	
III	22UNTA3A	அடிப்படைத் தமிழ் - I	

Title of the book (Text/Reference)	Author/s	Edition & Publisher
1. நன்னூல்	பவணந்தி முனிவர்	சாரதா பதிப்பகம், சென்னை.
2. கன்னட தமிழ் இலக்கணம் (எழுத்தும் சொல்றும்)	முனைவர்.ச.பர்வத கிருஷ்ணம்மாள்	நியூ செங்கிரி புக றறவுல், சென்னை.
3. தமிழ் இலக்கணம்	தமிழ்நூற்றுறைப் பேராசிரியர்கள்,	ஸ்ரீ சாரதா பதிப்பகம், ஸ்ரீ இராமகிருஷ்ண தயோவனம், திருப்பராவதிநறை
4. இனிய தமிழின் இயல்பு	முனைவர் பா. வனமாத	சுதிரவன் பதிப்பகம், பாளையங்கோட்டை.

Unit No	Topics	No. of hours	Proposed days/date	Remarks-Faculty/ Teaching aids
I	உயிர் எழுத்துகள் :உயிர் எழுத்து வடிவங்கள் - குறிய் எழுத்துகள்,நெடியல் எழுத்துகள்	03	06	Black Board &Screen shared
	உயிர் எழுத்தை முதல் எழுந்தாகக் கொண்டு அகரவரிசைப்படி எழுதுதல்	03		
II	மெய் எழுத்துகள்: மெய் எழுத்து வடிவங்கள் -	03	06	Black Board & Screen shared
	வல்லினம் - மெல்லினம் - இடைவினம்	03		
III	உயிர்மெய் எழுத்துக்கள் :உயிர்மெய் எழுத்துக்கள்-'அ' கரம் முதல் 'ன்' கரம் வரை உள்ள எழுத்துகள்- உயிர்மெய் எழுத்துகளை வரிசைப்படுத்துதல் -	03	06	Black Board
	'அ'கரம் முதல் 'ஒன்'கரம் வரை உள்ள சொற்கள் எழுதுதல் - 'க்' முதல் 'ன்' வரையிலான சொற்கள் எழுதுதல்	03		
IV	சொற்களை அறிதல் :இணையான பொருள் தரும் சொல்லை எழுதுதல்- சொல் ஒன்று பொருள் இரண்டு	03	06	Black Board
	நாட்கள் - மாதங்கள் (தமிழ் மாதங்கள், ஆங்கில மாதங்கள்)	03		
V	ஒலிப்புப் பயிற்சி, எழுத்துப் பயிற்சி : 'ல' கர 'ள்' கரப் பொருள் வேறுபாடு - 'ர' கர 'ற' கரப் பொருள் வேறுபாடு -	03	06	Black Board
	'ன்' கர 'ன' கரப் பொருள் வேறுபாடு	03		

Date of CIAs: As per college calendar/need based amendments.


Principal


HoD


Course Teacher

SRI SARADA COLLEGE FOR WOMEN (Autonomous)
TIRUNELVELI 627011
COURSE TEACHING/LECTURE/EXAM PLAN

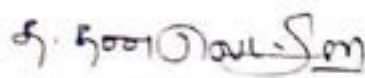
Department	Name of the faculty/s for the course	Academic year	Class
Tamil	1. Dr. T.Dhanalakshmi 2. Dr. K.Sindhu 3. Dr. S. Abila sundari	2023-2024	1 Year Stream A & B
Semester	Course code	Course title	
III	23UNTA1B	சிறப்புத்தமிழ் - I	

Title of the book (Text/Reference)	Author/s	Edition & Publisher
1. தமிழ் இலக்கணம்	தமிழ்த்துறைப் பேராசிரியர்கள்.	ஸ்ரீ சாரதா பதிப்பகம், ஸ்ரீ இராமகிருஷ்ண தபோவனம், திருப்பாவத்தறை
2. தமிழ் இலக்கணம்(Group - L.I.IV.VAO,TRB,NET,SLET,UGC).	முனைவர் சி. சேதுமணி	நிஜ செஞ்சுரி புக றவுஸ் , லீட். (பி). சென்னை. 2019 (2)
3. பொதுத்தமிழ் (TNPSC).	த. கோவிந்தராஜ் , கோ. அனு பேய் லதா குட்டி.	நிஜ செஞ்சுரி புக றவுஸ் (பி) லீட் சென்னை. 2019 (3)
4. ஐ எஸ் தேர்வுகள். அணுகுமுறையும்.	வெ. இறையன்பு.	நிஜ செஞ்சுரி புக றவுஸ் , லீட். (பி) சென்னை. 2019(3)

Unit No	Topics	No. of hours	Proposed days/date	Remarks-Faculty/ Teaching aids
I	செய்வுள் : கவிதை 1. ஆடிக்காற்றே - சிற்பி 2. கடமைமைச் செய் - மீரா 3. இரத்தவர்கள் - அப்துல் ரகுமான்	03	06	Black Board & Screen shared
	நாட்டுப்புறப்படம் 1. பஞ்சம் 2. மாணம் விடிவதெப்போ?	03		
II	இலக்கணம் : 1. முதலெழுத்து 2. சர்பெழுத்து	03	06	Black Board & Screen shared
	3. வல்லினம் மிகும் இடங்கள் 4. வல்லினம் மிகா இடங்கள்	03		
III	நாடகம் : நாடக அமைப்பு மற்றும் வகைகளை அறிந்துகொள்ளுதல்	03	06	Black Board
	கட்டிடவியல் - சி.என்.அண்ணாதுரை	03		
IV	இலக்கியப் படைப்புகள் : அடைமொழியால் குறிக்கப் பெறும் சான்றோர்களும், நாய்களும், விரிதூதர்களும்	03	06	Black Board
		03		
V	மொழிப்பவிற்சி 1. ஒருமை பன்மைப் பிழைகள் 2. சத்திப் பிழைகள் 3. மரபுப் பிழைகள்	03	06	Black Board
	4. மயங்கொலிப் பிழைகள் 5. பொருத்தியச் சொல் தருதல் 6. கலைச்சொல்லாக்கம்	03		

Date of CIAs: As per college calendar/need based amendments.


Principal


HoD

1. சோலா
2. சிந்தி
3. சி. சிபிலா சிந்திரி.
Course Teacher

SRI SARADA COLLEGE FOR WOMEN (Autonomous)
THIRUNELVELI 627011
COURSE TEACHING/LECTURE/EXAM PLAN

Department	Name of the faculty/s for the course	Academic year	Class
Tamil	1. Dr. I. Dhimalakshmi 2. Smt. K. Shalini 3. Dr. S. Abila sundari	2023-2024	II Year Stream A & B
Semester	Course code	Course title	
III	22UNTA3B	Theentamizh Paper - I	


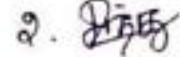
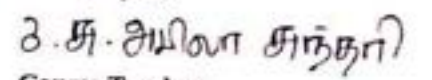
Title of the book (Text/Reference)	Author/s	Edition & Publisher
1. தந்தபிழ் உரை	தமிழ்த்துறைப் பேராசிரியர்கள்	ஸ்ரீ சாரதா பதிப்பகம், ஸ்ரீ இராமகிருஷ்ண தபோவனம், திருப்பராய்த்துறை
2. தமிழ் இலக்கணம்	தமிழ்த்துறைப் பேராசிரியர்கள்	ஸ்ரீ சாரதா பதிப்பகம், ஸ்ரீ இராமகிருஷ்ண தபோவனம், திருப்பராய்த்துறை
3. இலக்கிய வரலாறு	முனைவர். ச.கபாவு சத்திர போஸ்	இயல் வெளியீடு . தஞ்சாவூர்
4. போட்புத்தேர்வுக் குறிப்பேடு	தமிழ்த்துறைப் பேராசிரியர்கள்	ஸ்ரீ சாரதா பதிப்பகம், ஸ்ரீ இராமகிருஷ்ண தபோவனம், திருப்பராய்த்துறை

Unit No	Topics	No. of hours	Proposed days/date	Remarks-Faculty/ Teaching aids
I	குறந்தொகை - யாயும் ஞாயும் - 40 புறநானூறு - யாதும் ஊரே - 192	03	06	Black Board & Screen shared
	திருக்குறள் - அன்புடைமை, கல்வி, பிரிவாற்றாமை	03		
II	முதலெழுத்து - சார்பெழுத்து -	03	06	Black Board & Screen shared
	கட்டெழுத்து - வினாயெழுத்து	03		
III	சொற்களைப் பிரித்தெழுத்துதல் - வேச்சொல் கொண்டு சொற்களை உருவாக்குதல் -	03	06	Black Board
	பெயர்ச்சொல்லின் வகையறிதல் - எதிர்ச்சொல் கண்டறிதல்	03		
IV	ஒருமை பன்மை - சத்திப்பிழைகள் - மரபுப்பிழைகள் - மயங்கொலிப்பிழைகள் தீக்குதல்	03	06	Black Board
	-எதுகை, மோனை ,இயையு - தள்வினை, பிறவினை - செயவினை ,செய்ப்பாட்டு வினை	03		
V	அடைமொழியால் குறிக்கப்பெறும் சான்றொச்சளும், நூல்களும் -	03	06	Black Board
	விருதுகள் - படைப்பும் படைப்பாளியும்	03		

Date of CIAs: As per college calendar/need based amendments.


Principal


HoD

1. 
2. 
3. 
Course Teacher

SRI SARADA COLLEGE FOR WOMEN (Autonomous)
TIRUNELVELI 627011
COURSE TEACHING/ LECTURE/ EXAM PLAN

Department Sanskrit	Name of the faculty/s for the course Abhipsa Mohanta, Bappa Das	Academic year 2023-2024	Class II Computer Science, II Information Technology, II B.B.A., II B.C.A., II B.Com., II B.com..(CS)
Semester III	Course code	Course title Drama, Poetics and Translation	

Title of the book (Text/Reference)	Author/s	Edition & Publisher
A Short history of Sanskrit literature. https://archive.org/details/AShortHistoryOfsanskritLiterature	T.K. Ramachandra Aiyar, M.A.B.O.I	R.S. Vadhyar & Sons Book-Sellers & Publishers Kalpathi, Palakkad – 678 003 (2014 Edition)
Karnabharam	T.K.Ramachandralyer	R.S. Vadhyar & Sons Book-Sellers & Publishers Kalpathi, Palakkad – 678 003 (2010 Edition)
Abhyaasapustakam	SanskritaBharati	SanskritaBharati, Coimbatore- 641072. (2006 Edition)

Unit No	Topics	No. of hours	Proposed days/date	Remarks- Faculty/ Teaching aids
I	Karnabharam- Introduction to the Author and work	09	18	Black board
	Conversation between Karna and Shalya – Indra's entry.	09		
II	Indra's conversation with karna – Indra's exit	09	18	Black board
	Karna's entry into the battlefield	09		
III	Selected Alankaras: उपमा: - उपमेयम्- उपमानम्]	06	18	Black board
	साधारणाधर्मः - उपमावाचकशब्दः	06		
	अनन्वयः - दीपकम्- उल्लेखा - अतिरेकः - अर्थान्तरन्यासः	06		
IV	Spoken Sanskrit – Self introduction–	06		Black board
	Numbers – Time	06		

	Question words – Indeclinables.	06	18	
V	History of Dramatic Literature – Origin of Drama	05	18	Black board
	Development – Types of drama	04		
	Bhasa's thirteen plays – Malavikaagnimitram	05		
	Vikramorvashiyam – AbhinjanaShakuntalam- famous authors of drama	04		

Date of CIAs: As per college calendar/need based amendments.

Date:

Ramale
Principal

Aswipsa Mohanta
HoD

Pappa Das
Aswipsa Mohanta
Course Teacher

SRI SARADA COLLEGE FOR WOMEN (Autonomous)
THRUNELVELI 627011
COURSE TEACHING/ LECTURE/ EXAM PLAN

Department Sanskrit	Name of the faculty/s for the course Abhipsa Mohanta, Dappa Das	Academic year 2023-2024	Class II English, II economics, II Maths, II Physics, II Chemistry
Semester III	Course code	Course title Poetry and History of Sanskrit literature	

Title of the book (Text/Reference)	Author/s	Edition & Publisher
A Short history of Sanskrit literature. https://archive.org/details/AShortHistoryOfSanskritLiterature	T.K. Ramachandra Aiyar, M.A.B.O.I	R.S. Vadhyar & Sons Book-Sellers & Publishers Kalpathi, Palakkad - 678 003 (2014 Edition)
Sahitya Rasakanaah 1996	Dr.Jagadeeshan	Vignesh Publication, Madurai. (1996 Edition)
Pravesha Samskrita Bharati	Sanskrita bharti Trust	Sanskrita Bharati trust, Coimbatore (2000 Edition)
Kuvalayananda	Appaya Dikshita	R.S.Vadhyar & Sons, Palghat. (2005 Edition)

Unit No	Topics	No. of hours	Proposed days/date	Remarks- Faculty/ Teaching aids
I	History of Prose literature: Prose Literature	9	18	Black board
	Campu literature Fable literature	9		
II	Sukanasopedesa.	9	18	Black board
	Pancatantra Amukham	9		
III	Samsargajaah Gunaah Doshaah Bhavanti.	9	18	Black board
	Alankara: Upama - Ullekha - Rupaka - Dipaka	9		
IV	Vyatireka - shlesha.	9	18	Black board
	Simple Sandhis: Savarnadeerghasandhi - Gunasandi	9		

V	History of Scientific Literature: Astronomy - Mathematics	9	18	Black board
	- Laws of Conduct Ayurveda-Administration - Archery - Architecture	9		

Date of CIAs: As per college calendar/need based amendments.

Date:

Ramale
Principal

Aswipa Mohan
HoD

Bappa BVS
Aswipa Mohan
Course Teacher

**SRI SARADA COLLEGE FOR WOMEN (Autonomous)
TIRUNELVELI 627011**

COURSE TEACHING/ LECTURE/ EXAM PLAN

Department Sanskrit	Name of the faculty/s for the course Abhipsa Mohanta, Happa Das	Academic year 2023-2024	Class I B.A. (English), I B.sc.(Maths), I Chemistry, I Computer Science, I Information Technology, I B.B.A., I B.C.A., I B.Com., I B.com.(CS)
Semester I	Course code	Course title Poetry, Grammar and History of Sanskrit literature	

Title of the book (Text/Reference) A Short history of Sanskrit literature. https://archive.org/details/AShortHistoryOfSanskritLiterature	Author/s I.K. Ramachandra Aiyar, M.A.B.O.I	Edition & Publisher R.S. Vadhyar & Sons Book-Sellers & Publishers Kalpathi, Palakkad - 678 003 (2014 Edition)
Balaramayanam	T.K. Ramachandra Aiyar, M.A.B.O.I	R.S. Vadhyar & Sons Book-Sellers & Publishers Kalpathi, Palakkad - 678 003 (2012 Edition)

Unit No	Topics	No. of hours	Proposed days/date	Remarks-Faculty/ Teaching aids
I	Introduction to Prose literature in Sanskrit Grammar: <i>ikārāntahpumlīṅgāḥśabdāḥ</i> - 1. कवि (Kavi) and 2. रवि (Ravi) <i>ikārāntahstrīṅgāḥśabdāḥ</i> - 1. नदी (Nadī)	9	18	Black board
	<i>ikārāntahstrīṅgāḥśabdāḥ</i> - 1. मति (Mati) <i>ikārāntahnapuṃsakalīṅgāḥśabdāḥ</i> 1. वारि (Vāri)	9		
II	Introduction to <i>Māhābhārata</i> , the author of बालरामायणम् (<i>Bālarāmāyaṇam</i>) and his works	9	18	Black board
	Text: <i>Bālakāṇḍam</i> of <i>Bālarāmāyaṇam</i>	9		
III	Introduction to the works of <i>Bana</i> (<i>Kādambarī</i> and <i>Harsacaritam</i>), and <i>Avantisundarikathā</i>	6		Black board

	<i>Dandin (Daśakumāracaritam)</i>	6	18	
	<i>Subandhu (Vāsavadattā)</i>	6		
IV	Introduction to Historical Kāvya in Sanskrit -	9		Black board
	The works of <i>Kaṭhamah, Bilhamah, Bānah</i> and <i>Pravaraśenah</i>	9	18	
V	Grammar: Conjugations - <i>Laṅlakārah</i> (Past tense) (i) अगच्छत् (<i>Agacchat</i>) (ii) अतिष्ठत् (<i>Atiṣṭhat</i>) (iii) अपठत् (<i>Apathat</i>) (iv) अगृह्यत् (<i>Agrihyat</i>) (v) अकुप्यत् (<i>Akupyat</i>) (vi) अकथयत् (<i>Akathayat</i>) (vii) अगणयत् (<i>Aganayat</i>) (viii) आसीत् (<i>Asit</i>) (ix) अकरोत् (<i>Akarot</i>) (x) अशृणोत् (<i>Aśruot</i>)	9	18	Black board
	(a) तुमुन् (<i>Tumun</i>) suffix ended words (Infinitive forms) (i) गन्तुम् (<i>Gantum</i>) (ii) स्थातुम् (<i>Sthatum</i>) (iii) पठितुम् (<i>Pathitum</i>) (iv) नर्तितुम् (<i>Nartitum</i>) (v) कोपितुम् (<i>Kopitum</i>) (vi) कथयितुम् (<i>Kathayitum</i>) (vii) गणयितुम् (<i>Ganayitum</i>) (viii) भवितुम् (<i>Bhavitum</i>) (ix) कर्तुम् (<i>Kartum</i>) (x) श्रोतुम् (<i>Śrotum</i>) (b) क्त्वा (<i>Ktvā</i>) suffix ended words (Past passive participles) (i) गत्वा (<i>Govā</i>) (ii) स्मृत्वा (<i>Smrtvā</i>) (iii) गणयित्वा (<i>Ganayitvā</i>) (iv) पठित्वा (<i>Patitvā</i>) (v) कृत्वा (<i>Krtvā</i>) (c) ल्यप् (<i>Lyap</i>) suffix ended words (Past passive participles) (i) आगत्य (<i>Āgatya</i>) (ii) विस्मृत्य (<i>Vismṛtya</i>) (iii) विगणय्य (<i>Vigānyya</i>) (iv) प्रपठ्य (<i>Prapathya</i>) (v) अनुकृत्य (<i>Anukṛtya</i>)	9		

Date of CIAs: As per college calendar/need based amendments.

Date:

Ramale
Principal

Aswipa Mohant
HoD

Aswipa Das
Aswipa Mohant
Course Teacher

SRI SARADA COLLEGE FOR WOMEN (Autonomous)
TIRUNELVELI 627011
COURSE TEACHING/ LECTURE/ EXAM PLAN

Department	Name of the faculty/s for the course	Academic year	Class
English	D.Sathiya	2023-2024	I BCom Cs+ Maths + BCA
Semester	Course code	Course title	
I	23UP2EN1	General English I	

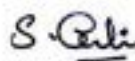
Title of the book (Text/Reference)	Author/s	Edition & Publisher
Crown Text Book General English I	DR. S. Siddharth	2023 ,Shakespeare publications

Unit No	Topics	No. of hours	Proposed days/date	Remarks-Faculty/ Teaching aids
I	Chapter I from Malala Yousufzai – I am Malala	4	18	Black board
	An Autobiography or The Stories of My Experiments with Truth by M.K. Gandhi	5		
	Where the Mind is Without Fear by Rabindranath Tagore	4		
	Love Cycle by Chinua Achebe	2		
		3		
II	Nine Gold Medals by David Roth	4	18	Black board
	Alice Fell or Poverty by William Wordsworth	5		
	The School for Sympathy by Edward Verrall Lucas	5		
	Barn Burning by William Faulkner	4		
III	The Things That Haven't Been Done Before by Edgar Guest	5	18	Black board
	Stopping by Woods on a Snowy Evening by Robert Frost	4		
	The Magic Brocade- A Tale of China by Aaron Shepherd	5		
	Three Sideway stories from Wayside School by Louis Sachat	4		
✓ IV	Parts of Speech Article, Noun, Pronoun, Verb, Adverb, Adjective, Preposition	18	18	Black board
✓	Paragraph and Essay writing Descriptive, Expository, Persuasive, Narrative	18	18	Black board

Date of CIAs: As per college calendar/need based amendments.

Date:


Principal


HoD


Course Teacher

SRI SARADA COLLEGE FOR WOMEN (Autonomous)
TIRUNELVELI 627011
COURSE TEACHING/LECTURE/EXAM PLAN

Department	Name of the faculty/s for the course	Academic year	Class
English	C. Devi Sri	2023-2024	I B.Com/B.Sc CS/IT B.A
Semester	Course code	Course title	
I	23UNEN11	Popular Literature and Culture	

Title of the book (Text/Reference)	Author/s	Edition & Publisher
Tintin in Tibet The Zoya Factor	Herge Chauhan, Anuja	Taylor Harper Collins

Unit No	Topics	No. of hours	Proposed days/date	Remarks-Faculty/ Teaching aids
I	1. Introduction as an Essay	3	6	Black Board, Lecture
	2. Children's literature: Theory and Practice.	3		
II	1. Detailed summary of The Juniper Tree by Brothers Grimm	2	6	Black Board, Lecture.
	2. Adventure of the speckled Band by Arthur Conon	2 2		
	3. Charlie and Chocolate Factory (chapter 13 to 15)			
III	1. Professor Shonku and the UFO Characters and critical analysis of Professor Shonku and the UFO.	3 3	6	Black Board, Lecture
IV	1. Tintin in Tibet by Herge	3	6	Black Board, Lecture
	2. The Story of Padmavathi and Priace Vajramukti	3		
V	1. The Zoya Factor	3	6	Black Board, Lecture.
	2. Harry Potter and the Philosopher's Stone by J.K Rowling.	3		

Date of CIAs: As per college calendar/need based amendments.

Date:


Principal


HoD

C. Devi Sri
Course Teacher

SRI SARADA COLLEGE FOR WOMEN (Autonomous)
TIRUNELVELI 627011

COURSE TEACHING/ LECTURE/ EXAM PLAN

Department	Name of the faculty/s for the course	Academic year	Class
English	Selvi. M. Gokila	2023- 2024	I B.A English
Semester	Course code	Course title	
I	23UENC11	Introduction to Literature	

Title of the book (Text/Reference)	Author/s	Edition & Publisher
1.Backpack Literature: An Introduction to Fiction, Poetry, Drama, and Writing.	X. J. Kennedy	Pearson , 2016
2. Portable Literature: Reading, Reacting, Writing.	Laurie Kirszner	Cengage Learning , 2016

Unit No	Topics	No. of hours	Proposed days/date	Remarks-Faculty/ Teaching aids
I	Introduction: Poetry-Different forms of poetry-Sonnet, Ode, Elegy, Lyric Ballad. Prose-Short Story, Novella, Novel. Drama-Comedy, Tragedy, Tragic-Comedy.	6 6 6	18	Black board
II	Michael Drayton - The Parting. William Shakespeare - Sonnet 18, Sonnet 116. John Milton - When I Consider How My Light is Spent, William Wordsworth - Daffodils. John Keats - Ode to Nightingale. Thomas Gray - Elegy Written in a Country Churchyard. Robert Frost - Mending Wall Theodore Roethke - The Meadow Mouse	2 2 2 2 3 3 2 2	18	Black board
III	J.M. Barrie - The Admirable Crichton. Lady Gregory - The Rising of the Moon.	9 9	18	Lecture, Black board
IV	Manohar Malgonkar - Spy in Amber. Don Quixote - Tilting at the Windmills. A Dill Pickle, The Escape from Katherine Mansfield - Bliss and other stories.	6 6 6	18	Black board
V	Saki - The Open Window Robert Lynd - Sweet Jerome K. Jerome - excerpt from - Three Men in a Boat - (Packing Episode)	6 6 6	18	Black board

Date of CIAs: As per college calendar/need based amendments.

Date:

A. Kamale
Principal

S. Gokila
HoD

M. Gokila
Course Teacher

SRI SARADA COLLEGE FOR WOMEN (Autonomous)
TIRUNELVELI 627011
COURSE TEACHING/LECTURE/EXAM PLAN

Department	Name of the faculty/s for the course	Academic year	Class
English	S. Chithra , M. K. Thanusree Rukmani	2023-2024	I B.A English
Semester	Course code	Course title	
III	23UENC12	Indian Writing In English	

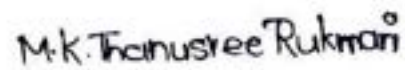
Title of the book (Text/Reference)	Author/s	Edition & Publisher
Indian Writing in English – A Critical Study	K.A. Agrawal	Atlantic, 2015
Indian Writing in English	Rajul Bhargava	Rawat, 2023

Unit No	Topics	No. of hours	Proposed days/date	Remarks-Faculty/ Teaching aids
I	Winning of Friends (Panchathantra)- Vishnu Sharma	6	18	Black board
	Hachiko – Pamela s.Turner	3		
	Brother's Dasy from Folktales- AK Ramanujan	2		
	Handful of nuts, Night Train from Deoli from Ruskin Bond	5		
	Sparrows – K A Abbas	2		
II	Khabuliwala – Rabindranath Tagore	6	18	Black board
	India through a Travellers Eyes excerpt from My Several Works – Pearl S. Buck	3		
	The School Among the Pines, By Scout Forever, Uncle Ken's Rumble in the Jungle from school days- Ruskin Bond	2		
	Childhood –M K Gandhi Autobiography Science Humanities and Religion	7		
III	The Lotus – Toru Dutt	6	18	Black board
	The Tiger and Deer – Sri Aurobindo	6		
IV	The Village song – Sarojini Naidu	6	18	Black board
	Still Another View of Grace – A.K. Ramanujam	6		
	Indian Women – Shiv. K. Kumar	3		
	It is not Love, it is Madness – Mizra Ghalib	3		
V	Mukhthadhara – Rabindranath Tagore	6	18	Black board
	The Window, Sentry Lantern – Harindranath Chattopadhyay	6		
	Nalini : AComedy in Three Acts- Three Plays – Nissim Ezeikel	3		
	Sleepwalkers – Joginder Paul	3		

Date of CIAs: As per college calendar/need based amendments.


Principal


HoD


Course Teacher

SRI SARADA COLLEGE FOR WOMEN (Autonomous)
TIRUNELVELI 627011
COURSE TEACHING/ LECTURE/ EXAM PLAN

Department	Name of the faculty/s for the course	Academic year	Class
English	1.D.Sathiya 2.C.Devi Sri	2023 - 2024	I BA English
Semester	Course code	Course title	
I	23UENA11	Social History Of England	

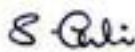
Title of the book (Text/Reference)	Author/s	Edition & Publisher
Social History of England	Keith Wrightson	2018, Norton Press.

Unit No	Topics	No. of hours	Proposed days/date	Remarks-Faculty/ Teaching aids
I	1.The Renaissance and it's impact on England	6	12	Black board
	2.The Reformation- Causes and Effects	6		
II	1.The Common Wealth Of Nations	4	12	Black board
	2.The Restoration	4		
	3.Coffee Houses and their Social Relevance	4		
III	1.impact of Industrial,	3	12	Black board
	2.Agrarian and	3		
	3.The French Revolution on the English Society	3		
	4.Other Humanitarian Movement in England	3		
IV	1.The Reform Bill	2	12	Black board
	2.The Spread of Education	3		
	3.Social impact of II World Wars	3		
	4.The Labour Movement	2		
	5.The Welfare State	2		
V	1.The Cold War	4	12	Black board,
	2.The Gulf War	4		
	3.The Falkland War	4		

Date of CIAs: As per college calendar/need based amendments.

Date:


Principal


HoD


C.Devi Sri
Course Teacher

SRI SARADA COLLEGE FOR WOMEN (Autonomous)

TIRUNELVELI 627011

COURSE TEACHING/ LECTURE/ EXAM PLAN

Department	Name of the faculty/s for the course	Academic year	Class
English	C. Devi Sri	2023- 2024	I BA English
Semester	Course code	Course title	
I	23UENFC1	Orientation-Bridge course	


Title of the book (Text/Reference)	Author/s	Edition & Publisher
Contemporary English Grammar Structures and Composition	David Green	2018, Trinity press

Unit No	Topics	No. of hours	Proposed days/date	Remarks-Faculty/ Teaching aids
I	1.The sentence, Parts of Speech	3	6	Black board
	2. Nouns I, Nouns II	3		
II	1. Adjectives, Comparison of Adjectives.	2	6	Black board
	2. Articles, Pronouns.	2		
	3. Demonstrative, Indefinite, Interrogative, Distributive and Reciprocal pronoun, relative pronoun	2		
III	1. Verbs, verbs- Mood and Tense.	1	6	Black board
	2. Concord or Agreement of the verb with subject.	2		
	3. Non-finite verbs	1		
	4. Strong and weak verbs.	2		
IV	1.The Auxiliaries, Model Auxiliaries	2	6	Black board
	2.Adverbs, Preposition	2		
	3. Conjunction, Interjection.	2		
V	1. Simple, Compound and Complex.	1	6	Black board,
	2. Synthesis of sentence.	1		
	3. Clauses	1		
	4. Transformation of sentences.	1		
	5. Direct and indirect speech.	2		

Date of CIAs: As per college calendar/need based amendments.

Date:


Principal


HoD

C. devisri
Course Teacher

SRI SARADA COLLEGE FOR WOMEN (Autonomous)

TIRUNELVELI 627011

COURSE TEACHING/LECTURE/EXAM PLAN

Department	Name of the faculty/s for the course	Academic year	Class
ENGLISH	Selvi. M.K. THANUSREE RUKMANI	2023-2024	II B. Sc Mathematics / II B. Sc Computer Science
Semester	Course code	Course title	
III	22P2EA3	General English- III	

Title of the book (Text/Reference)	Author/s	Edition & Publisher
Lilavati's Daughters	Rohini Godbole	2015
Enlightening English Prose	Prof.K. Natarajan	New Century book,2011

Unit No	Topics	No. of hours	Proposed days/date	Remarks- Faculty/ Teaching aids
I	Poetry 1.Emily Dickinson-A Bird Came Downthe Walk	6	18	Blackboard
	2.William Collins-Ode to Evening	6		
	3.A.K.Ramanujans-Ecology	6		
II	Prose 1.Ruskin Bond-The Eye Have It	6	18	Blackboard
	2.Rohini Godbole- Lilavathi's Daughter Edavaeth Kakkat janaki ammal	6		
	3.Sumit Kumar-Sister Nivedita (Famous Biographies for Children)	6		
III	Short stories 1.SinclairRoss- The Lamp at Noon	9	18	Blackboard
	2.Katherine Mansfield- The Doll's House	9		
IV	Grammar Gerund, Infinitives	6	18	Blackboard
	Punctuation, Idioms and Phases,	6		
	Simple, Compound and Complex Sentences	6		
V	Communication Skills Book or Movie Review	6	18	Blackboard
	Report Writing, Verbal and	6		Lecture
	Verbal and Non- Verbal Communication, E-mail Writing	6		

Date of CIAs: As per college calendar/need based amendments.

Date:

Ramale
Principal

S. Ruk
HoD

M. K. Thanusree
Course Teacher

SRI SARADA COLLEGE FOR WOMEN (Autonomous)

TIRUNELVELI 627011

COURSE TEACHING/ LECTURE/ EXAM PLAN

Department	Name of the faculty/s for the course	Academic year	Class
English	C. Devi Sri	2023- 2024	I BA English
Semester	Course code	Course title	
I	23UENFC1	Orientation-Bridge course	

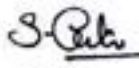
Title of the book (Text/Reference)	Author/s	Edition & Publisher
Contemporary English Grammar Structures and Composition	David Green	2018, Trinity press

Unit No	Topics	No. of hours	Proposed days/date	Remarks-Faculty/ Teaching aids
I	1. The sentence, Parts of Speech	3	6	Black board
	2. Nouns I, Nouns II	3		
II	1. Adjectives, Comparison of Adjectives.	2	6	Black board
	2. Articles, Pronouns.	2		
	3. Demonstrative, Indefinite, Interrogative, Distributive and Reciprocal pronoun, relative pronoun	2		
III	1. Verbs, verbs- Mood and Tense.	1	6	Black board
	2. Concord or Agreement of the verb with subject.	2		
	3. Non-finite verbs	1		
	4. Strong and weak verbs.	2		
IV	1. The Auxiliaries, Model Auxiliaries	2	6	Black board
	2. Adverbs, Preposition	2		
	3. Conjunction, Interjection.	2		
V	1. Simple, Compound and Complex.	1	6	Black board,
	2. Synthesis of sentence.	1		
	3. Clauses	1		
	4. Transformation of sentences.	1		
	5. Direct and indirect speech.	2		

Date of CIAs: As per college calendar/need based amendments.

Date:


Principal


HoD

C. Devi Sri
Course Teacher

SRI SARADA COLLEGE FOR WOMEN (Autonomous)
TIRUNELVELI 627011
COURSE TEACHING/LECTURE/EXAM PLAN

Department	Name of the faculty/s for the course	Academic year	Class
English	Selvi.E. Santhana Bala Divya Selvi. S. Anu Nithya	2023- 2024	II BA English
Semester	Course code	Course title	
III Semester	22UENC31	History of English Literature – I	

Title of the book (Text/Reference)	Author/s	Edition & Publisher
An Outline History of English Literature	William Henry Hudson	2015, Maham Publishers
History of English Literature: Traversing the Centuries	Aditi Chowdhry and Rita Goswami	Orient Blackswan Pvt.Ltd

Unit No	Topics	No. of hours	Proposed Days/Date	Remarks-Faculty/ Teaching aids		
I	The Age of Chaucer (1340-1044) From Chaucer to 'Tottel's Miscellany' (1400-1557)	4 4 4	12	PPT		
	The Development of Drama to 1561 The Age of Shakespeare – Non Dramatic Verse, Drama and Prose	4 4			12	Black Board
		4				
III	The Age of Milton- Milton, Other Poets and Prose Writers.	4 4 4	12	PPT, Black Board		
	The Age of Dryden- Verse, Prose and Drama	4 4 4			12	PPT, Black Board
		4				
V	The Age of Pope – Verse, Prose and Drama	4 4 4	12	Black Board		
	4					
	4					

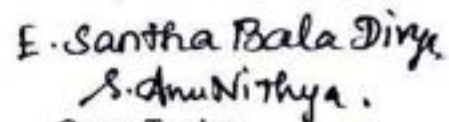
Date of CIAs: As per college calendar/need based amendments.

Date:



Principal


HoD


Course Teacher

SRI SARADA COLLEGE FOR WOMEN (Autonomous)
TIRUNELVELI 627011
COURSE TEACHING/LECTURE/EXAM PLAN

Department	Name of the faculty/s for the course	Academic year	Class
English	Selvi. E. Santhana Bala Divya Selvi. S. Anu Nithya	2023- 2024	II BA English
Semester	Course code	Course title	
III Semester	22UENC31	History of English Literature – I	

Title of the book (Text/Reference)	Author/s	Edition & Publisher
An Outline History of English Literature	William Henry Hudson	2015, Maham Publishers
History of English Literature: Traversing the Centuries	Aditi Chowdhry and Rita Goswami	Orient Blackswan Pvt.Ltd

Unit No	Topics	No. of hours	Proposed Days/Date	Remarks-Faculty/ Teaching aids
I	The Age of Chaucer (1340-1044) From Chaucer to 'Tottel's Miscellany' (1400-1557)	4	12	PPT
		4		
		4		
II	The Development of Drama to 1561 The Age of Shakespeare – Non Dramatic Verse, Drama and Prose	4	12	Black Board
		4		
		4		
III	The Age of Milton- Milton, Other Poets and Prose Writers.	4	12	PPT, Black Board
		4		
		4		
IV	The Age of Dryden- Verse, Prose and Drama	4	12	PPT, Black Board
		4		
		4		
V	The Age of Pope – Verse, Prose and Drama	4	12	Black Board
		4		
		4		

Date of CIAs: As per college calendar/need based amendments.

Date:


Principal


HoD

E. Santha Bala Divya
S. Anu Nithya.
Course Teacher

SRI SARADA COLLEGE FOR WOMEN (Autonomous)

**TIRUNELVELI 627011
COURSE TEACHING/LECTURE/EXAM PLAN**

Department	Name of the faculty/s for the course	Academic year	Class
English	Mrs. B. Ramalakshmi	2023- 2024	II BA English
Semester	Course code	Course title	
III Semester	22UENA31	Commonwealth Literature	

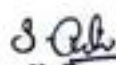
Title of the book (Text/Reference)	Author/s	Edition & Publisher
<i>An Anthology of Commonwealth Poetry</i>	C D Narasimhaiah	Macmillan Publishers Ltd
<i>Introduction to Herman Hesse's Siddhartha</i>	Donald Mcclory	Picador Press London

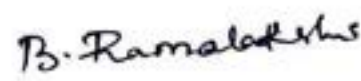
Unit No	Topics	No. of hours	Proposed days/date	Remarks- Faculty/ Teaching aids
I	Poetry		9	Blackboard
	1.Gabriel Okara (South Africa) – <i>Once upon a Time</i>	3		
	2.David Diop (France) - <i>Africa My Africa</i>	2		
	3.Mervyn Morris (Jamaica) - <i>Judas</i>	2		
	4.Nancy Morejon (Cuba) - <i>Black Woman</i>	2		
II	Prose		9	Blackboard
	1.Luis Alberta Urrea (America- Mexico) - <i>Across the Wire</i> (Preface) – Historical Background & Immigrant life	5		
	2.A.J.Cronin (Scotland) – <i>The Best Investment I Ever Made</i>	4		
III	Short Stories		9	Blackboard PPT
	1.O' Henry (America) - <i>The Gift of Magi</i> - Biblical Magi, Sacrifices & Significance of the gifts, Author's Biography	5		
	2.Alice Munro (Canada) - <i>Red Dress</i> – Psychological Transformation of the protagonist and the significance of the red colour, Character Analysis	4		
IV	Fiction		9	Blackboard
	Hermann Hesse (Germany) – <i>Siddhartha</i> - Author's Biography,	3		
	Historical Background, Gotama – The Prince of Kapilavastu,	2		
	Spiritual Journey of Siddhartha, Significance of the river,	2		
	Vasudeva – the ferry man, Character analysis of Govinda & Kamala	2		
V	Drama		9	Blackboard Video
	John Galsworthy (British) – <i>Strife</i> – Consequences of Industrialization	5		
	Marxism, Socialism, Capitalism, mutinies, three-act-play, meetings and mediators, social realism	4		

Date of CIAs: As per college calendar/need based amendments

Date:


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Course Teacher

SRI SARADA COLLEGE FOR WOMEN (Autonomous)
TIRUNELVELI 627011
COURSE TEACHING/LECTURE/EXAM PLAN

Department	Name of the faculty/s for the course	Academic year	Class
ENGLISH	M.K.Thanusree Rukmani	2023-2024	II BA ENGLISH
Semester	Course code	Course title	
IV	22UENS31	Basics of Phonetics	

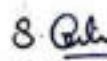
Title of the book (Text/Reference)	Author/s	Edition & Publisher
A Practical Introduction to Phonetics	J.C. Catford	2001 (3) Oxford University Press
A Manual of English Phonetics and Phonology	Paul Skandera, Peter Burleigh	2011 (2) Gunter Narr Verlag Publication
Intonation and Stress: Evidence from Hungarian	I. Varga	Pulgrave Macmillan Publication

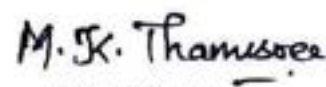
Unit No	Topics	No. of hours	Proposed days/date	Remarks-Faculty/ Teaching aids
I	Importance of Pronunciation	6	12	Blackboard
	Kinds of Pronunciation	6		
II	Organs of Speech	3	12	Blackboard, Lecture
	Vowels	3		
	Consonants	3		
	Diphthongs	3		
III	Phonemes	6	12	Blackboard, Lecture
	Morphemes	6		
IV	Syllable	4	12	Lecture Screen Sharing Blackboard
	Stress	4		
	Intonation Changes	4		
V	Transcription- Practice in Phonemic	6	12	Blackboard Lecture
	Transcription of simple words and sentences	6		

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SRI SARADA COLLEGE FOR WOMEN (Autonomous)
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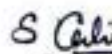
Department	Name of the faculty/s for the course	Academic year	Class
English	1.D.Sathiya 2. S.Maharasi	2023-2024	III B.A English
Semester	Course code	Course title	
V	19UENC51	Fiction	

Title of the book (Text/Reference)	Author/s	Edition & Publisher
The Hunger Angel The Old Man and the Sea	Herta Muller Ernest Heming Way	Macmillan Publishers World Heritage Publishers Ltd
The Shadow Lines Emma	Amitav Ghosh Jane Austen	First Mariner Books Maple press

Unit No	Topics	No. of hours	Proposed days/date	Remarks- Faculty/ Teaching aids
I	Herta Muller – The Hunger	4	12	Black Board, Lecture
	Introduction about the author	4		
	Theme of the Story	4		
II	Amitav Ghosh – The Shadow lines	6	12	Black Board, Lecture PPT
	Outline of the story Analyze the character of Shadow lines	6		
III	Introduction about Ernest Hemingway	6	12	Black Board, Lecture
	Summary of the story Justify the title –The Old Man and the Sea	6		
IV	Intro about Nadine Gordimer	6	12	Black Board, Lecture
	Discussed about South African People Summary of the fiction – Burger's Daughter	6		
V	Intro about author- Jane Austen	6	12	Black Board, Lecture PPT
	Outline of the story- Emma Theme of the Story Analyze the characteristics of Emma	6		

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Date:

SRI SARADA COLLEGE FOR WOMEN (Autonomous)
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Department	Name of the faculty/s for the course	Academic year	Class
English	Arthi. K	2023-2024	III B.A English
Semester	Course code	Course title	
V	19UENC52	Literary Theory and Criticism	

Title of the book (Text/Reference)	Author/s	Edition & Publisher
English Critical Essays: Nineteenth Century	Edmund D.Jones	Oxford University Press
Criticism: The Major Texts	Walter Jackson Bate	Wolf Den Books
An Introduction to Criticism	B.Prasad	2012 (3) Hard Press Publishing

Unit No	Topics	No. of hours	Proposed days/date	Remarks- Faculty/ Teaching aids
I	Aristotle – Poetics	4	12	Black Board, Lecture
	Poetic and Rhetoric	4		
	Comedy and Tragedy	4		
II	Sir Philip Sidney- An Apology for Poetry	3	12	Black Board, Lecture PPT
	Observation of Epic	3		
	Four Charges	3		
	Classical Rules	3		
III	William Wordsworth- Preface to the Lyrical Ballads	4	12	Black Board, Lecture
	The Ancient Rimer	4		
	Poetry, Science and Philosophy	4		
IV	I.A. Richard	4	12	Black Board, Lecture
	Four Kinds of Meanings	4		
	Analyze the Eco Criticism	4		
V	Introduction to Structuralism	4	12	Black Board, Lecture PPT
	Introduction to Modernism	4		
	Introduction to Gender Studies	4		

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SRI SARADA COLLEGE FOR WOMEN (Autonomous)

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Department	Name of the faculty/s for the course	Academic year	Class
English	S. ANU NITHYA N. ABBENAYA	2023-2024	III BA ENGLISH
Semester	Course code	Course title	
V	19UENC53	Postcolonial Literature	
Title of the book (Text/Reference)	Author/s	Edition & Publisher	
Post Colonial Studies Key Concepts	Bill Ashcroft, Gareth Griffiths and Helen Tiffin	Routledge Publications, 2007 (2)	
A Dance of the Forests	Wole Soyinka	Oxford University Press, 2018 (2)	
Foe	J.M. Coetzee	Penguin Publishers, 2010 (2)	
Colonial and Postcolonial Literature	Elleke Bochme	Oxford University Press, 2005 (2)	

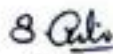
Unit No	Topics	No. of hours	Proposed days/date	Remarks- Faculty/ Teaching aids
I	Introduction to Postcolonialism Bill Ashcroft, Gareth Griffiths and Helen Tiffin - Postcolonial Studies Key Concepts (pg 168-178)	12	12	PPT
II	Prose NiradC. Chaudhary (India)- The Eternal Silence of These Infinite Crowds	6	12	Lecture
	Chinamanda Ngozi Adichie (Nigeria)- We Should all Be Feminists	6		
III	Poetry 1.A.D. Hope (Australia): Australia	6	12	PPT
	2.Derek Walcott (Saint Lucia)- A City's Death By Fire	6		
IV	Fiction J. M. Coetzee(SouthAfrica)- Foe	12	12	Lecture
V	Drama Wole Soyinka (Nigeria)- A Dance of the Forests- Plot	6	12	PPT
	Characterization	6		

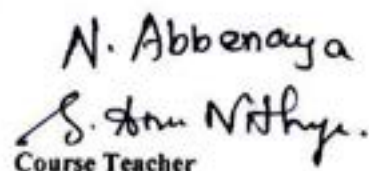
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**SRI SARADA COLLEGE FOR SRI SARADA COLLEGE FOR WOMEN (Autonomous)
TIRUNELVELI 627011
COURSE TEACHING/LECTURE/EXAM PLAN**

Department	Name of the faculty/s for the course	Academic year	Class
English	S.Chithra C. Devi Sri	2023-2024	III B.A English
Semester	Course code	Course title	
V	19UENC54	FEMINIST WRITING	

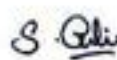
Title of the book (Text/Reference)	Author/s	Edition & Publisher
Myth and Reality: The Second Sex	Simone De Beauvoir	1 st Edition 2012, Oxford University Press
The Ecstasy of Rita Joe	George Ryga	1970, Talon Books

Unit No	Topics	No. of hours	Proposed days/date	Remarks-Faculty/ Teaching aids
I	POETRY		12	Lecture
	1. Sylvia Plath - Morning Song	3		
	2. KISHWAR Naheed- I am not that Woman	3		
	3. Imitaz Dharker - Minori	3		
	4. Judith Wright- Bora Ring	3		
II	PROSE: Virginia Woolf – A Room of One's Own	12	12	Black board
III	FICTION: Namita Gokhale – Gods, Graves, and Grandmother	5	12	Black board
	Character analysis	3		
	Themes, setting.	4		
IV	DRAMA: George Ryga-The Ecstasy of Rita Joe	2	12	Lecture
	Plot construction	3		
	Major characters	3		
	Theme Analysis	4		
V	CRITICISM: 1. Simone De Beauvoir-Women and the other (pg 280-284)	6	12	Black board
	2. The Second Sex – Chapter -XI	6		

Date of CIAs: As per college calendar/need based amendments.

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HoD

C. Devi Sri
Course Teacher

SRI SARADA COLLEGE FOR WOMEN (Autonomous)
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COURSE TEACHING/LECTURE/EXAM PLAN

Department	Name of the faculty/s for the course	Academic year	Class
English	Mrs.B.Ramalakshmi	2023- 2024	I M.A English
Semester	Course code	Course title	
I	23PENC31	English Poetry	

Title of the book (Text/Reference)	Author/s	Edition & Publisher
The Oxford Anthology of English Literature		
Studies in Poetry	A.G. George	Heinemann Education Books Ltd., London. 1971.
A Critical History of English Literature Vols. I & II,	David Daiches	Secker & Warburg, London.
The Cambridge Companion to English Poetry: Donne to Marvell,	Thomas N. Corns,	Cambridge University Press, Cambridge, 1993,.

Unit No	Topics	No. of hours	Proposed days/date	Remarks-Faculty/ Teaching aids
I	Middle English Poetry- Chaucer: "The General Prologue": Pardoner, The Nun Additional Reading : Doctor, Friar	21	21	Black Board, Lecture
II	Elizabethan Poetry Spenser: Epithalamion	12	21	Black Board, Lecture
	Donne: A Valediction: forbidding mourning	6		
	The Canonization	3		
III	Seventeenth Century Poetry John Milton: Paradise Lost Book IX	12	21	Black Board, Lecture
	Marvell: To His Coy Mistress	9		
IV	Eighteenth Century Poetry Dryden : Absalom and Achitophel Lines 150 - 476	6	21	Black Board, Lecture
	Gray 's Elegy /The Bard/On a Favourite Cat Drowned in a tub of Goldfishes	12		
	Burns ' Holy Willie's Prayer, Auld Lang Syne	3		
V	Modern Poetry Rupert Brooke: The Soldier,	3	21	Black Board, Lecture
	Wilfred Owen: Anthem for Doomed Youth W. H. Auden: Elegy on the Death of W. B. Yeats & Musée des Beaux Arts	3		
	Dylan Thomas: Do Not Go Gentle Into That Good Night & Poem in October	2		
	Philip Larkin: Whitsun Weddings Ted Hughes: Hawk Roosting & Life After Death	2		
	Seamus Heaney: Digging Carol Ann Duffy: Standing Female Nude	5		
	Eavan Boland: Achilles Woman	6		

Date of CIAs: As per college calendar/need based amendments.

Date:

Ramala
Principal

S. Q...
HoD

B. Ramalakshmi
Course Teacher

SRI SARADA COLLEGE FOR WOMEN (Autonomous)
TIRUNELVELI 627011
COURSE TEACHING/LECTURE/EXAM PLAN

Department	Name of the faculty/s for the course	Academic year	Class
English	Arthi. K	2023-2024	I M.A English
Semester	Course code	Course title	
I	23PENC12	English Drama	


Title of the book (Text/Reference)	Author/s	Edition & Publisher
The Growth and Structure and Elizabethan Comedy,	Bradbrook, M.C.,	London
The Jacobean Drama: An Interpretation	Una Ellis-Fermor.,	Methuen &Co., London.
British Drama,	Allardyce Nicoll	Allardyce Nicoll, 1973, British Drama, Harrap, London.
Themes and Conventions of Elizabeth Tragedy	Bradbrook, M.C	Vikas Publishing House Pvt., Ltd., (6 th ed) New Delhi.
Elizabethan Popular Theatre :Plays in Performance	Michael Hathaway	Routledge, London.
A Companion to Renaissance Drama,	Kinney, Arthur.F.,	Oxford:Blackwell

Unit No	Topics	No. of hours	Proposed days/date	Remarks- Faculty/ Teaching aids
I	Beginnings of Drama- Miracle and Morality Plays -Everyman	6	21	Lecture
	The Senecan and Revenge Tragedy	9		
	Thomas Kyd – The Spanish Tragedy	6		
II	Elizabethan Theatre -Theatres, Theatre groups, audience, actors and conventions	12	21	Black board
	Tragedy and Comedy, Christopher Marlowe :The Jew of Malta Ben Jonson :Volpone	9		
III	Jacobean Drama -John Webster: The White Devil	21	21	PPT
IV	Restoration -William Congreve: The Way of the World,	12	21	Black board
	Irish Dramatic Movement: J.M Synge: The Play boy of the Western World	9		
V	Epic Theatre: Bertolt Brecht: Mother Courage and her Children	12	21	Black board
	Comedy of Menace: Harold Pinter :Birthday	3		
	Party Post-Modern Drama: Samuel Beckett :Waiting for Godot	6		

Date of CIAs: As per college calendar/need based amendments.

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SRI SARADA COLLEGE FOR WOMEN (Autonomous)
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Department	Name of the faculty/s for the course	Academic year	Class
English	Selvi. E. Santhana Bala Divya Selvi. N. Abbenaya	2023-2024	I M.A English
Semester	Course code	Course title	
I	23PENC13	English Fiction	


Title of the book (Text/Reference)	Author/s	Edition & Publisher
The Rhetoric of Fiction	Wayne C Booth,	1961, Chicago University Press, London.
The Great Tradition	F. R. Leavis	1973, Chatto & Windus, London
Rise of the English Novel	Ian Watt	1974, Chatto & Windus, London.
The English Novel: From Dickens to Lawrence	Raymond William	1973, Chatto & Windus, London

Unit No	Topics	No. of hours	Proposed days/date	Remarks- Faculty/ Teaching aids
I	Novel as a Form, Concepts and Theories about the Novel; Poetics of the Novel - definition, types, and narrative modes: omniscient narration. Allegorical Novel and Satire	6	12	Lecture
	Johu Bunyan - The Pilgrim's Progress	3		
	Jonathan Swift - Gulliver's Travels	3		
II	The New World Novel Daniel Defoe- Robinson Crusoe	6	12	PPT
	Laurence Stern - Tristram Shandy.	6		
III	Middle Class Novel of Manners Jane Austen - Emma	12	12	Lecture
IV	Women's Issues Charlotte Bronte - Jane Eyre	12	12	Screen shared
V	Liberal Humanism, Individual Environment and Class Issues	4	12	PPT
	D.H. Lawrence : The Rainbow	4		
	James Joyce - Portrait of the Artist as a Young Man	4		

Date of CIAs: As per college calendar/need based amendments.

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E. Santhana Bala Divya,
N. Abbenaya,
Course Teacher

SRI SARADA COLLEGE FOR WOMEN (Autonomous)
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Department	Name of the faculty/s for the course	Academic year	Class
English	1.C. Devi Sri 2.S. Chitra	2023-2024	I M.A English
Semester	Course code	Course title	
I	23PENE11	Indian writing in English.	


Title of the book (Text/Reference)	Author/s	Edition & Publisher
Twenty five Indian Poets in English	Ramamurti, K.S.	Macmillan.
Babu Fictions: Alienation in Contemporary Indian English Novels.	Tabish Khair	OUP.
Essays on Indian literature	K. Satchidanandan	Pencraft International, New Delhi

Unit No	Topics	No. of hours	Proposed days/date	Remarks-Faculty/ Teaching aids
I	1.Tiger and the Deer, Rose of God by Sri Aurobindo.	5	15	Black board
	2.ToruDutt:TheLotus,TheCasuarinaTree,	5		
	3.Tour Dutt: My Vocation	2		
	4. Sarojini Naidu: Palanquin Bearers, Coromandel Fishers	3		
II	1. Kamala Das: Looking Glass	5	15	Black board
	2. An Introduction to Parthasarathy: A River Once, Under the Sky	5		
	3. Nlssim Ezekiel: Morning Prayer, Enterprise.	5		
III	1. Girish Karnad: Nagamandaia, Character analysis.	8	15	Black board
	2. Critical analysis of the drama Inquilab by Asif Currimbhoy.	7		
IV	Sri Aurobindo's The essence of poetry, style and substance.	8	15	Black board
	Emerging world society Dr. S.Radhakrishnan.Orientation from Wings of Fire by A. P. J Abdul Kalam	7		
V	Anita Desai:Where Shall we go this Summer?	8	15	Black board
	Shashi Deshpande: Roots and Shadows	7		

Date of CIAs: As per college calendar/need based amendments.

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SRI SARADA COLLEGE FOR WOMEN (Autonomous)
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Department	Name of the faculty/s for the course	Academic year	Class
English	1.Selvi.D.Sathiya 2.Selvi.S.Maharasi	2023-2024	I M.A English
Semester	Course code	Course title	
III	23PENE12	Theatre Art	

Title of the book (Text/Reference)	Author/s	Edition & Publisher
An Introduction to Theatre Art	Dr. K Sangeetha Dr.A. Selvalakshmi	New Century Book House (P) Ltd.,

Unit No	Topics	No. of hours	Proposed days/date	Remarks-Faculty/ Teaching aids
I	1.Drama as a performing art, Relation between drama and theatre	5	15	Black board
	2.The role of theatre.	5		
	3.The need for permanent theatres.	5		
II	Greek theatre Shakespearean theatre, The Absurd theatre The Epic theatre,	5	15	Black board
	The Multipurpose theatre Designing for a particular theatre, The Eastern theatre-conventional and the non- conventional theatre	5		
	Folk theatre, urban theatre, third theatre, other theatres in vogue.	5		
III	UNITIII-Fundamentals of play directing Concept, technique physical balance	8	15	Model project, Black board
	Demonstration ,The director and the stage	7		
IV	UNITIV-Components of acting: Gesture, voice, costume, make-up, mask and different styles in acting as an art form	8	15	Black board
	violence in the theatre, need for censorship, managing time and space.	7		
V	UNIT V - Reactions against the theatre of illusion Expressionism and dramatic symbolism Stage design in the modern world	8	15	Black board, videos, Model PPT
	Lighting in the modern world Word versus spectacle.	7		

Date of CIAs: As per college calendar/need based amendments.

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Department	Name of the faculty/s for the course	Academic year	Class
English	Selvi. E. Santhana Bala Divya Selvi. M. Gokila	2023-2024	II M.A English
Semester	Course code	Course title	
III	22PENC31	Shakespearean Drama	

Title of the book (Text/Reference)	Author/s	Edition & Publisher
The Complete Works of Shakespeare	Shakespeare	2011, Wilco Publishing House
Shakespearean Criticism :Excerpt from the Criticism of William Shakespeare's Plays & Poetry, from the First Published Appraisals to Current Evolution	Michelle Lee	2015, Gale a Centgage Company

Unit No	Topics	No. of hours	Proposed days/date	Remarks-Faculty/ Teaching aids
I	Introduction Elizabethan Stage and Theatre	12	12	Lecture
II	Comedy A Midsummer Night's Dream	12	12	PPT
III	Tragedy Othello	12	12	Lecture
IV	Romance Antony and Cleopatra	12	12	Screen shared
V	Historical Play Richard II	12	12	PPT

Date of CIAs: As per college calendar/need based amendments.

Date:

Ramala
Principal

S. Gokila
HoD

E. Santha Bala Divya
M. Gokila
Course Teacher

SRI SARADA COLLEGE FOR WOMEN (Autonomous)

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Department	Name of the faculty/s for the course	Academic year	Class
English	1.Lt S.Chithra 2.Mrs.B.Ramalakshmi	2023-2024	II M.A English
Semester	Course code	Course title	
III	22PENC32	Research Methodology, Academic Publication and Dissertation Writing	

Title of the book (Text/Reference)	Author/s	Edition & Publisher
MLA Hand Book for Writers of Research Papers	-	MLA(Moder n Language Association of America)
A Handbook of Critical Approaches to Literature	Guerin Wilfred L.	Oxford University Press

Unit No	Topics	No. of hours	Proposed days/date	Remarks-Faculty/ Teaching aids
I	1.Introduction to Research Skills and Methods	9	18	Black board
	2.Research and Writing	6		
	3.Plagiarism and Academic Integrity	3		
II	Introduction to Critical Approaches Literature and Criticism	18	18	Black board
III	1.The Mechanics of Writing	8	18	Model project, Black board
	2.The Format of the Research Paper	7		
	3.Abbreviations	3		
IV	1.Documentation: Preparing the list of Works Cited	10	18	Black board
	2.Documentation: Citing Sources in the Text	8		
V	How to Prepare for a Viva Voce Examination	9	18	Black board, videos, Model PPT
	Thesis Defense	9		

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Department	Name of the faculty/s for the course	Academic year	Class
English	Arthi K& M. Gokila	2023-2024	II M.A English
Semester	Course code	Course title	
III	22PENC33	Translation Theory and Practice	

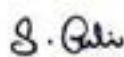
Title of the book (Text/Reference)	Author/s	Edition & Publisher
Theory and Practice of Translation	Dr. K.Hema	2018 (1), Shanlax Publications

Unit No	Topics	No. of hours	Proposed days/date	Remarks-Faculty/ Teaching aids
I	Translation and its Perspectives Language as a Medium, Referential Meaning Connotative Meaning, Definitions of Translations Linguistic Cultural	6	12	Lecture
	Cultural Distances between the Source and Target Languages, Lexical Untranslatability	6		
II	Translation Theories and Theorists Major Theories Philosophical Theory , Linguistic Theory	3	12	Black board
	Socio Linguistic Theory, Integrated Theory	3		
	Major Theorists J.C. Catford, Eugene A. Nida, Peter Newmark, Sujit Mukherjee, Juliane House and Other Theorists.	6		
III	Lexical Problems and the Compensatory Mechanisms Borrowing, Transliteration, Literal Translation, Definition, Addition, Omission, Lexical Creation,	4	12	PPT
	Transcription, Substitution. Generic and Specific Names	4		
	By using Multi-Lexical Units, Hybrid Formation or Loan Blending , Kinship Terms, Units of Measurements	4		
IV	Syntactic Problems and the Procedures Double Words , Repetitive Words, Idioepheses	6	12	Black board
	Pleonasms and Reduplication, Active and Passive, Construction, Gender, Number	6		
V	Stylistic Devices and the Procedures Imagery, Idioms, Proverbs, Non- Verbal Communication,	6	12	Black board
	Honorific Affixes, Proper Names, Vocatives, Play on Words, Transformation of Sentence	6		

Date of CIAs: As per college calendar/need based amendments.

Date:


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 M. GOKILA
Course Teacher

SRI SARADA COLLEGE FOR WOMEN (Autonomous)
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Department	Name of the faculty/s for the course	Academic year	Class
English	S. Anu Nithya M.K.Thanusree Rukmani	2023-2024	II M.A English
Semester	Course code	Course title	
III	22PENC34	British Fiction and Drama: Twentieth Century Literature	

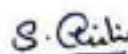
Title of the book (Text/Reference)	Author/s	Edition & Publisher
IGNOU British Drama (IGNOU MEG 02)	Edited books	2019, Shri Chakradhar Publication (PVT) LTD.
Riders to the Sea	J M Synge	2014 (3), Unique Private Ltd.

Unit No	Topics	No. of hours	Proposed days/date	Remarks-Faculty/ Teaching aids
I	Fiction I.GeorgeOrwell - Animal Farm Background of the story	6	12	Black board
	Symbolism in the story	6		
II	Drama HenrikIbsen - A Doll's House	6	12	Black board
	Harold Pinter - The Birthday Party	6		
III	Fiction I.George Eliot - Middle March Main Plot& Background of the story	6	12	Black board
	Sub Plot & Characterization	6		
IV	Drama George Bernard Shaw-Candida Introduction	3	12	Black board
	Plot construction of the story	5		
	Characterization	4		
V	Fiction I.H. G. Wells(UK) - The InvisibleMan What is Scientific Fiction	4	12	Black board
	Plot Construction of the play	4		
	Characterization	4		

Date of CIAs: As per college calendar/need based amendments.

Date:


Principal


HoD


MK.Thanusree R,
Course Teacher

SRI SARADA COLLEGE FOR WOMEN (Autonomous)
TIRUNELVELI 627011
COURSE TEACHING/LECTURE/EXAM PLAN

Department	Name of the faculty/s for the course	Academic year	Class
English	Mrs. B.Ramalakshmi	2023- 2024	II M.A English
Semester	Course code	Course title	
III	22PENE3A	Canadian and Australian Literature	

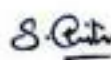
Title of the book (Text/Reference)	Author/s	Edition & Publisher
A New Anthology of Canadian Literature in English	Russell Brown/ Donna Bennett	2019(4) Oxford University Press
Roughing it in the Bush	Susanna Moodie	2012 (3) Hard Press Publishing

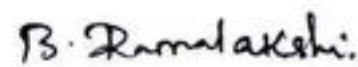
Unit No	Topics	No. of hours	Proposed days/date	Remarks-Faculty/ Teaching aids
I	1.Charles Robarts (Canada) - The Sower	4	12	Black Board, Lecture
	2.E.J.Pratt(Canada)- The Dying Eagle	4		
	3.Judith Wright (Australia) - The Flood	4		
II	1. Susanna Moodie(Canada-English)- Roughing it in the Bush(Excerpts)	6	12	Black Board, Lecture
	2. David Malouf (Australia)-From Remembering Babylon	6		
III	1. Henry Lawson (Australia) – The Drove's Wife	6	12	Black Board, Lecture
	2. Alice Munro (Canada) - Boys and Girls	6		
IV	1.James Reaney (Canada) - Three Desks R	6	12	Black Board, Lecture
	2.Ray Lawler(Australia) - Summer of the Seventeenth Doll	6		
V	1.Alice Munro (Canada) - The Photographer	6	12	Black Board, Lecture
	2.Patrick White (Australia) - Voss	6		

Date of CIAs: As per college calendar/need based amendments.

Date:


Principal


HoD


Course Teacher

SRI SARADA COLLEGE FOR WOMEN (Autonomous) TIRUNELVELI 627011 COURSE TEACHING / LECTURE / EXAM PLAN			
Department	Name of the faculty/s for the course	Academic year	Class
Economics	Smt .A.Shunmugapriya	2023-2024	I B.A Economics
Semester	Course code	Course title	
I	23UECC11	MICRO ECONOMICS-I	
Title of the book (Text/Reference)	Author/s	Edition & Publisher	
Micro Economic Theory	M.L.Jhingan.	Virinda Publications(p)Ltd.	
An Introduction to Micro Economics	Dr.D.Bose&Marimuthu	Himalaya Publishing House	

Unit.No	Topics	No. Of hours	Proposed days/date	Remarks Faculty/ Teaching aids
I	Basic Concepts: Definitions of Economics–Nature and Scope of microeconomics	3	15	Blackboard, Presentation, Charts.
	Positive and Normative Approaches- Inductive and Deductive Approaches	3		
	Consumers and Firms –Decision Making	2		
	Making–Rationality: Self-Interest – Trade-offs –Fundamental Economic Problems	4		
	Market Mechanism and Resource Allocation.	3		
II	Utility Analysis Utility–Ordinal and Cardinal Utility–Total and Marginal Utility	4	18	Blackboard, Presentation, Debate.
	Law of Diminishing Marginal Utility - Law of Equi-Marginal Utility-	4		
	Indifference Curves–Properties–Marginal Rate of Substitution-	3		
	Budget Line – Price and Substitution Effects-Optimal Consumer Choice	3		
	Revealed Preference Theory – Samuelson and Hicks' Approach	4		
III	Demand and Supply Analysis Demand – Types of Goods -Law of Demand – Determinants – Exceptions	4	15	Blackboard, Presentation,
	Giffen Paradox – Veblen Effect- Elasticity of Demand: Types	4		
	Engel's Law -Supply – Law of Supply –Determinants	3		
	Elasticity of Supply and its Types- Market Equilibrium - Consumer Surplus and Producer Surplus	4		
IV	Production Analysis Production Function– Law of Variable Proportions	3	15	Blackboard, Presentation, Debate.
	Laws of Returns to Scale-Iso-quant's-Types of Production Function	4		
	Cobb -Douglas and Constant Elasticity of Substitution(CES)	4		
	Production Function –Economies and Diseconomies of Scale	4		
V	Cost and Revenue Concepts Costs – Fixed and Variable Costs - Average, Marginal, and Total Costs	3	12	Blackboard, Presentation,
	Short Run and Long Run Costs – Implicit, Explicit, Sunk and Imputed Cost	3		
	Revenue – Total, Average and Marginal Revenue	3		
	Relationship between AR, MR and Elasticity of Demand- Profit Maximization Rule	3		

Date of CIAs: As per college calendar/need based amendments.

Date:


Principal

T. Kalavathi
HoD


Course Teacher

SRI SARADA COLLEGE FOR WOMEN (Autonomous)
TIRUNELVELI 627011
COURSE TEACHING / LECTURE / EXAM PLAN

Department	Name of the faculty/s for the course	Academic year	Class
Economics	Selvi.T.Miruna Devi	2023-2024	I B.A Economics
Semester	Course code	Course title	
I	23UECC12	STATISTICS FOR ECONOMICS -I	

Title of the book (Text/Reference)	Author/s	Edition & Publisher
Statistical Methods	Gupta. S.P	Sultan Chand and Sons, New Delhi
Statistics	R.S.N.Pillai&Mrs.Bagawathi	SultanChand&Sons, NewDelhi


Unit.No	Topics	No.of hours	Proposed days/date	Remarks Faculty/ Teaching aids
I	Introduction – Nature and Scope of Statistics	3	15	Blackboard, Presentation, Charts.
	Uses and Limitations of Statistics – Data Collection – Primary and Secondary Data	4		
	Tools for collecting Primary Data –	2		
	Requisites of Good Questionnaire	2		
	Sources of Secondary Data	4		
II	Classification and Tabulation of Data– Types	4	15	Blackboard, Presentation, Debate.
	Frequency Distribution — Cumulative Frequency Distribution-	4		
	Class Interval Diagrams – Types- Graphical Representation	4		
	Histogram – Frequency Polygon -	3		
	Ogive Curve - Lorenz Curve	4		
III	Measures of Central Tendency	3	15	Blackboard, Presentation,
	Requisites of a Good Average	2		
	Arithmetic Mean, Median, and Mode	5		
	Relative Merits and Demerits.	5		
IV	Absolute and Relative	2	15	Blackboard, Presentation, Debate.
	Measures of Dispersion – Range	3		
	Quartile Deviation – Mean Deviation	3		
	Standard Deviation – Variance	2		
	Coefficient of Variation	3		
	Skewness and Kurtosis.	2		
V	Correlation – Types of Correlation – Methods	5	15	Blackboard, Presentation,
	Karl Pearson's Co-efficient of Correlation	3		
	Spearman's Rank Correlation	2		
	Regression Equations	2		
	Distinction between Correlation and Regression Analysis.	3		

Date of CIAs: As per college calendar/need based amendments.

Date:


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Course Teacher

SRI SARADA COLLEGE FOR WOMEN (Autonomous)
TIRUNELVELI 627011
COURSE TEACHING / LECTURE / EXAM PLAN

Department	Name of the faculty/s for the course	Academic year	Class
Economics	Dr.T.Kalavathi	2023-2024	I B.A Economics
Semester	Course code	Course title	
I	23UECGE1B	INTRODUCTION TO SOCIOLOGY	
Title of the book (Text/Reference)	Author/s	Edition & Publisher	
Introductory sociology	N.Jeyaram	Macmillan , Madras India	
Sociology	C.N.Shankar Rao	S.Chand Publication (2019), New Delhi	

Unit. No	Topics	No. Of hours	Proposed days/date	Remarks Faculty/ Teaching aids
I	Definition – Nature and Scope of Sociology	2	12	Blackboard, Presentation, Charts.
	Origins and development of Sociology	2		
	Founding fathers and their contributions: Auguste Comte	3		
	Herbert Spencer, Karl Marx, Emile Durkheim	3		
	Max Weber –Sociology and other social sciences	2		
II	Society, Community, Institutions, Association	2	12	Blackboard, Presentation, Debate.
	Social Structure, Status – Role, Norms, and Values; Folkways and Mores	3		
	Associative and Dissociative processes – Cooperation	3		
	Assimilation-Accommodation	2		
	Competition and Conflict	2		
III	Individual and Society- Socialization- Stages	3	12	Blackboard, Presentation,
	Agencies of Socialization- Types of Groups	3		
	Primary and Secondary Groups,	3		
	In-Group and Out-group, Reference Group.	3		
IV	Social Stratification: Meaning,	5	12	Blackboard, Presentation, Debate.
	Definition and Dimensions	2		
	Social mobility and its determinants.	5		
V	Social change Meaning and Types	3	12	Blackboard, Presentation,
	Evolution and Revolution,	3		
	Progress and Development	3		
	Factors of Social Change-Culture and Civilization	3		

Date of CIAs: As per college calendar/need based amendments.

Date:


Principal

T.Kalavathi^o
HoD

T.Kalavathi^o
Course Teacher

**SRI SARADA COLLEGE FOR WOMEN (Autonomous)
TIRUNELVELI 627011**

COURSE TEACHING / LECTURE / EXAM PLAN

Department	Name of the faculty/s for the course	Academic year	Class
Economics	Smt .A.Shunmugapriya	2023-2024	I B.A Economics
Semester	Course code	Course title	
I	23UECFC1	BUSINESS COMMUNICATION	
Title of the book (Text/Reference)	Author/s	Edition & Publisher	
Essentials of Business Communication	Korlahalli J.S &Pal R	S Chand New Delhi	
Effective Business Communication	Kaul A	Prentice Hall India Learning Pvt.Ltd.	

Unit.No	Topics	No. of hours	Proposed days/date	Remarks Faculty/ Teaching aids
I	Communication: Meaning and Definition- Objectives	1	6	Blackboard, Presentation, Charts.
	Role of Communication – Process and Elements of Communication	1		
	Communication Networks - Types and Media of Communication –	1		
	Barriers to Communication	1		
	Characteristics for Successful Communication	2		
II	Communication in Management	2	6	Blackboard, Presentation, Debate.
	Management and Communication: Need and Importance of Communication in Management	1		
	Corporate Communication	1		
	Communication Training for Managers	1		
	Communication Structure in an Organization.	1		
III	Business Letter: Need – Functions – Kinds	1	6	Blackboard, Presentation,
	Essentials of effective Business Letter - Language and Layout	2		
	Planning, Enquiries and Replies - Sales Letter	1		
	Orders, Tender and Notice, Tender and Notice – Complaints- Letter of Appointment	2		
IV	Correspondence: Bank Correspondence Insurance	1	6	Blackboard, Presentation, Debate.
	Insurance-Correspondence	2		
	Agency	2		
	Import-Export Correspondence	1		
V	Report Writing: Meaning and Importance - Purpose	2	6	Blackboard, Presentation,
	Types of Business Reports - Characteristics of a Good Report	2		
	Report Preparation - Report by Individual and Committees	1		
	Agenda and Minutes of Meeting.	1		

Date of CIAs: As per college calendar/need based amendments.

Date:

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Principal

T.Kalanathi
HoD

Shunmugapriya

Course Teacher

SRI SARADA COLLEGE FOR WOMEN (Autonomous)
TIRUNELVELI 627011
COURSE TEACHING/LECTURE/EXAM PLAN

Department	Name of the faculty/s for the course	Academic year	Class
Economics	Dr.T.Kalavathi	2023-2024	II B.A Economics
Semester	Course code	Course title	
III	22UECC31	Mathematical Methods	

Title of the book (Text/Reference)	Author/s	Edition & Publisher
An Introduction to Business Mathematics	M.Wilson.	Himalaya Publishing House, Delhi.
An Introduction to Mathematical Methods	Dr.Bose	Himalaya Publishing House, Mumbai

Unit No	Topics	No. of hours	Proposed days/date	Remarks-Faculty/ Teaching aids
I	The Real Number System – Types - Axioms	3	18	Blackboard, Presentation, Quiz.
	Rational Numbers –Irrational Numbers	2		
	Highest Common Factor–Least common multiple system	2		
	Real, Imaginary and Complex Numbers,	4		
	Graphs–Application of Graphs in Economics.	5		
	Revision/quiz	2		
II	Set Theory Meaning–Definition-Notation	3	18	Blackboard, Presentation, Debate.
	Forms Representation	3		
	Types – Set Operations-	4		
	Venn Diagrams–Cartesian	3		
	Products–Functional Relations and Function-Ordered Pairs.	3		
	Revision/Debate	2		
III	Functions-Types of Functions	3	18	Blackboard, Powerpoint Presentation, Charts.
	solving Functions-	4		
	Application of functions in Economics-	2		
	Equations- Types –	2		
	Solving Equations [polynomial, Linear, Quadratic, Simultaneous]-	4		
	Application of Equations in Economics.	3		
IV	Analytical Geometry–Distance between two points in a plane-	3	18	Blackboard, Presentation, Charts.
	Slope of a straight line. General Equations –	2		
	Different types of equations –	3		
	Point of Intersection of two lines-	3		
	Perpendicular lines, Parallel lines-	3		
	Application of straight lines in economics (Demand and supply, cost and output, Break–even analysis)	4		
V	Percentage Ratio ,Proportion, Types of Ratios-Types of proportion	3	18	Blackboard, Power point Presentation, Quiz.
	Simple Interest	3		
	Compound Interest	2		
	Difference between compound interest and Simple Interest-	3		
	Annuities–Depreciation(scrap value)	4		
	Discounts–Banker's Discounts–True Discounts.	3		

Date of CIAs: As per college calendar/need based amendments.

Date:


Principal

T.Kalavathi
HoD

T.Kalavathi
Course Teacher

**SRI SARADA COLLEGE FOR WOMEN (Autonomous)
TIRUNELVELI 627011**

COURSE TEACHING / LECTURE / EXAM PLAN


Department	Name of the faculty/s for the course	Academic year	Class
Economics	Selvi.S.ArchanaSelin	2023-2024	I B.A Economics
Semester	Course code	Course title	
I	23UNEC11	DEMOGRAPHY	
Title of the book (Text/Reference)	Author/s	Edition & Publisher	
Demography	Jhingam,M.L.&B.K.Bhatt	VrindaPublications,New Delhi	
Demography and Population Problems	Rajendra K. Sharma	Atlantic Publishers and Distributors Pvt.Ltd.	

Unit.No	Topics	No.of hours	Proposed days/date	Remarks Faculty/ Teaching aids
I	Meaning Scope of Demography – Components of Population Growth	2	6	Blackboard, Presentation, Charts.
	Theories of Population: Malthusian Theory	1		
	Optimum Theory	1		
	Theory of Demographic Transition	2		
II	Census Data - Life Tables: Meaning and Uses – Reproductive and Child Health in India	2	6	Blackboard, Presentation, Debate.
	Temporal and Spatial Variation in Sex Ratios – Crude Birth and Death Rate- Age Specific Birth and Death Rates	2		
	Standardized Birth and Death Rates –Fertility – Total Fertility Rate	1		
	Gross Reproduction Rate – Net Reproduction Rate	1		
III	Migration and Urbanization	1	6	Blackboard, Presentation,
	Concept - Types of Migration	2		
	Effects of Migration and Urbanization on Population	1		
	Recent Trends in Migration.	2		
IV	Population Trends–and International Aspects of Population Growth and distribution	2	6	Blackboard, Presentation, Debate.
	Population and Environment	1		
	Pattern of Age and Sex Structure in Developed and Developing Countries	2		
	Age Pyramids and Projections	1		
V	Population Policy in India and its Evaluation	2	6	Blackboard, Presentation,
	Population and Strategies for Human Development of Different Social Groups	1		
	National Population Commission – Demographic Dividend	1		
	National Youth Policy.	2		

Date of CIAs: As per college calendar/need based amendments.

Date:


Principal


HoD


Course Teacher

SRI SARADA COLLEGE FOR WOMEN (Autonomous)
TIRUNELVELI 627011
COURSE TEACHING/LECTURE/EXAM PLAN

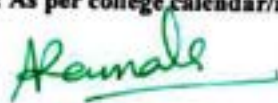
Department	Name of the faculty/s for the course	Academic year	Class
Economics	Selvi. S.Archana Selin	2023-2024	II B.A Economics
Semester	Course code	Course title	
III	22UECC32	International Economics	

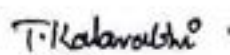
Title of the book (Text/Reference)	Author/s	Edition & Publisher
International Economics	Dr.Radha	Prasanna Publisher, Chennai
International Economics	M.L.Jhingan	Virinda Publications(P)LTD, New Delhi

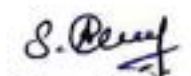
Unit No	Topics	No. of hours	Proposed days/date	Remarks-Faculty/ Teaching aids
I	International Economics -Meaning - Definition	2	12	Blackboard, Presentation, Quiz.
	Scope of International Economics	2		
	Differences between International trade and Internal trade	4		
	Merits and Demerits.	4		
II	International trade - Need -Features	2	12	Blackboard, Presentation, Debate.
	Free trade -Meaning-Definition - Advantages and disadvantages	4		
	Protection-Meaning-Definition	1		
	Advantages and disadvantages	3		
	Kinds of protection.	2		
III	Dumping-Different forms	2	12	Blackboard, Powerpoint Presentation, Charts.
	Anti dumping measures	3		
	Terms of trade - Meaning	1		
	Factors affecting terms of trade	3		
	Terms of trade and economic development - Tariff	3		
IV	Meaning -BOT & BOP - Definition - Components of BOP	2	12	Blackboard, Presentation, Charts.
	Types of Balance of trade and Balance of payment	2		
	Difference between of BOT and BOP	2		
	Structure of balance of payment	2		
	Kinds of disequilibrium of payment - Causes and remedial measures.	4		
V	Foreign exchange Meaning - Foreign exchange rate and its determination	3	12	Blackboard, Power point Presentation, Quiz.
	Methods of Foreign Payment - Purchasing Power Parity Theory.	4		
	Exchange control-Meaning-Objectives	1		
	Methods- Direct and indirect methods.	4		

Date of CIAs: As per college calendar/need based amendments.

Date:


Principal


HoD


Course Teacher

**SRI SARADA COLLEGE FOR WOMEN (Autonomous)
TIRUNELVELI 627011**

COURSE TEACHING/LECTURE/EXAM PLAN

Department	Name of the faculty/s for the course	Academic year	Class
Economics	Selvi.S.Archana selin	2023-2024	II B.A Economics
Semester	Course code	Course title	
III	22UECA31	Health Economics	

Title of the book (Text/Reference)	Author/s	Edition & Publisher
Health of India	Grant (John)	2000
Principles of Health Economics	Sundar.I	First, 2009

Unit No	Topics	No. of hours	Proposed days/date	Remarks-Faculty/ Teaching aids
I	BASIC CONCEPTS OF HEALTH ECONOMICS: Health: Meaning – Health and Development components and determinants -health indicators	2	9	Chalk and Talk
	Life expectancy rate – Infant Mortality Rate – Maternal Mortality Rate – Sex Ratio.-	2		
	Role of Women in Health Economics.	3		
		2		
II	GOVERNMENT AND HEALTH SERVICES: Health Services in India	2	9	Chalk and Talk
	Health care System-Efficiency of Health Services-Different health service providers	3		
	Primary health centers – Sub centers – Community Health Centre	2		
	Public Health-Health technology- Health Services in Disasters.	2		
III	HEALTH SERVICES: COST & BENEFITS: Allocation of Resources-Economic Regulation in Health-	2	9	Chalk and Talk and Discussion and Video
	Health Policy-Demand for health services	2		
	Cost and benefits of health services (direct & indirect cost)	2		
	Health model and health – role of physician.	3		
IV	HEALTH FINANCING: Health Financing in India–Sources of finance	2	9	Chalk and Talk and Video
	Health Finance Profile 2017	2		
	Public, private participation (PPP) – Public expenditure on health problems in financing health services	3		
		2		
	Role of Ngo's Healthcare sector.	2		
V	HEALTH INSURANCE: Health Insurance: Meaning – Types	2	9	Chalk and Talk, PPT and Oral Quiz.
	Health Insurance companies –Health Insurance Plan	2		
	Health Insurance Policy-Best Health Insurance Plans	2		
	Type of Medical Insurance Plan in India-Problems	1		
	Micro Health Insurance in India- Community Based Health Insurance.	2		

Date of CIAs: As per college calendar/need based amendments.

Date:


Principal


HoD


Course Teacher

SRI SARADA COLLEGE FOR WOMEN (Autonomous) TIRUNELVELI 627011 COURSE TEACHING/LECTURE/EXAM PLAN			
Department	Name of the faculty/s for the course	Academic year	Class
Economics	Smt.A.Shunmugapriya	2023-2024	II B.A Economics
Semester	Course code	Course title	
III	22UNEC3A	Essentials of Economics	

Title of the book (Text/Reference)	Author/s	Edition & Publisher
Microeconomic Theory	M.L.Jhingan.	Virinda Publications, NewDelhi.
An Introduction to Micro Economics	Dr.D.Bose&Marimuthu	Himalaya Publishing House, Mumbai.

Unit No	Topics	No. of hours	Proposed days/date	Remarks-Faculty/ Teaching aids
I	INTRODUCTION TO ECONOMICS: Meaning and Scope-Basic concepts - Wealth Definition - Welfare Definition	2	6	Chalk and Talk
	Scarcity Definition-Human wants-Meaning	1		
	Types-Characteristic-Goods-Utility-Value-Price	1		
	Income- Wealth- Welfare- Market-Cost-Revenue.	2		
II	CONSUMPTION: Meaning of the terms-Consumer-Consumption -	2	6	Chalk and Talk
	Utility maximization - Law of Diminishing Marginal Utility-	2		
	Law of Equi-Marginal Utility-The concept of Consumer's Surplus.	2		
III	PRODUCTION AND DISTRIBUTION: Meaning of the terms-Producer-Production	2	6	Chalk and Talk
	Factor of production	1		
	Law of returns - Meaning and Features of the terms Rent, Wages, Interest and Profit.	3		
IV	PRODUCT PRICING Meaning and Features of Perfect competition-Imperfect competition	3	6	Chalk and Talk
	Monopoly Price determination under Perfect competition-Imperfect competition -monopoly.	3		
V	INVESTMENT Meaning of the term investment - Need and importance of investment	2	6	Chalk and Talk
	Investment opportunities in Shares, Bank deposits, Real estate's-Small saving schemes	2		
	Insurance schemes-Investment in companies and investment in gold.	2		

Date of CIAs: As per college calendar/need based amendments.

Date:


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Course Teacher

SRI SARADA COLLEGE FOR WOMEN (Autonomous)
TIRUNELVELI 627011
COURSE TEACHING/LECTURE/EXAM PLAN

Department	Name of the faculty/s for the course	Academic year	Class
Economics	Selvi T. Miruna Devi	2023-2024	II B.A Economics
Semester	Course code	Course title	
III	22UECS31	Professional Techniques of Management	

Title of the book (Text/Reference)	Author/s	Edition & Publisher
Organizational Behaviour	L.M.Prasad	Sultan Chand & Sons, New Delhi
Management Theory and Practice	C.B.Gupta	Sultan Chand & Sons, New Delhi

Unit No	Topics	No. of hours	Proposed days/date	Remarks-Faculty/ Teaching aids
I	INTRODUCTION:			
	Meaning-Definition-Process - Nature, Scope and importance	2	9	Chalk and Talk
	Types of Management Techniques	2		
	Tools-Top 5 Management Techniques	2		
	Role of managers	1		
Organization and the environmental factors.	2			
II	Meaning-Nature and purpose of Planning - Objectives of Planning	2	9	Chalk and Talk
	Planning Function of Management - Reasons for planning in management - Examples	2		
	planning process in Management	1		
	Types of plans	2		
	Advantages and Limitations	2		
	Managerial Decision-steps in Managerial Decision making.	2		
III	Meaning and definition-Management	1	9	Chalk and Talk and Discussion and Video
	Principles and importance	2		
	Examples of Organisation Management - Structure of Organization	2		
	Forms- line, functional, line and staff, committee	1		
	Techniques of Leadership	2		
	Leadership skill and Management skill	2		
	Leadership styles and patterns-Qualities.	2		
IV	Motivation-Nature - Motivation in Management	2	9	Chalk and Talk and Video
	Management Motivation Techniques	1		
	Examples of great Managers Motivate their employees	1		
	Theories Carrot and stick Approaches	1		
	Maslow's Hierarchy of needs Theory	2		
	Mc.Gregory's 'X' Theory and 'Y' Theory	2		
V	Herzberg's motivation Theory	2	9	Chalk and Talk, PPT and Quiz.
	Communication-Effective Communication between managers an employee's	2		
	Good Communication Techniques	2		
	Channels of Communication - Barriers	1		
	Directing - Creativity and Innovations	2		
	Co-ordinations -Need and importance of Co-ordinations	1		
	Techniques of Co-ordinations	1		

Date of CIAs: As per college calendar/need based amendments.

Date:


Principal


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Course Teacher

SRI SARADA COLLEGE FOR WOMEN (Autonomous)
TIRUNELVELI 627011

COURSE TEACHING/LECTURE/EXAM PLAN

Department	Name of the faculty/s for the course	Academic year	Class
Economics	Smt.A.Shunmugapriya	2023-2024	III B.A Economics
Semester	Course code	Course title	
V	19UECC51	Basics of Macro Economics	

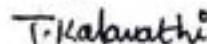
Title of the book (Text/Reference)	Author/s	Edition & Publisher
Macro Economics	M.Maria John Kennady	Virinda Publications(p)Ltd.
Macro Economics	Cauvery.R	Himalaya Publishing House

Unit No	Topics	No. of hours	Proposed days/date	Remarks-Faculty/ Teaching aids
I	INTRODUCTION		15	Blackboard, Presentation, Quiz.
	Meaning of Macro Economics – Difference between Macro and Micro Economics	4		
	Importance and Limitations	3		
	Approaches to Economic analysis	2		
	Circular flow of income	2		
	Keynes Two sector, Three sectors, Four Sector models.	4		
II	NATIONAL INCOME		15	Blackboard, Presentation, Debate.
	National Income Concepts – Meaning and definition	2		
	Components – Gross Domestic Product (GDP) Gross National Product (GNP), Net National Product (NNP),	4		
	Personal Income, Disposable Income and Per capita Income	3		
	Measurement of National Income	3		
	Production method, Income Method and Expenditure Method			
	Problems of measurement of National Income	2		
	National Income Accounting.	1		
III	THEORY OF EMPLOYMENT		15	Blackboard, Presentation, Charts.
	Meaning of full employment	2		
	Types of unemployment, Seasonal, Frictional, Technological, Structural, Voluntary and Involuntary, Cyclical and Disguised unemployment	3		
	Classical Theory of Employment,	2		
	Keynesian Theory of Employment	2		
	Comparison of Classical and Keynesian View: Say's Law of Market	2		
	Pigou's view regarding involuntary unemployment	1		
IV	CONSUMPTION FUNCTION		15	Blackboard, Presentation, Charts.
	Meaning –Determinants	3		
	Relationship between consumption and income	4		
	Relationship between APC and MPC	4		
	Keynes's Psychological law of Consumption	4		
V	Multiplier – Meaning – Relationship with marginal propensity to consume	4	15	Blackboard, Presentation, Quiz.
	Working of the multiplier – Importance	4		
	Acceleration – Meaning – Principle – Assumptions	4		
	Working of the accelerator – Importance – Limitations	3		

Date of CIAs: As per college calendar/need based amendments.

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Course Teacher

SRI SARADA COLLEGE FOR WOMEN (Autonomous) TIRUNELVELI 627011 COURSE TEACHING/LECTURE/EXAM PLAN			
Department	Name of the faculty/s for the course	Academic year	Class
Economics	T.Miruna Devi	2023-2024	III B.A Economics
Semester	Course code	Course title	
V	19UECC52	Money and Banking	

Title of the book (Text/Reference)	Author/s	Edition & Publisher
Money & Banking	E. Narayanan Nadar	Virinda Publications(p)Ltd.
Money, Banking and Trade	M.L.Jhingan	Himalaya Publishing House

Unit No	Topics	No. of hours	Proposed days/date	Remarks-Faculty/ Teaching aids
I	EVOLUTION OF MONEY: Barter system – Meaning – Defects	3	18	Chalk and Talk, PPT
	Evolution of money - Definition– Functions	3		
	Kinds - Qualities of good money -Evils.	3		
	Monetary Standard: Meaning – Types -Monometallism – Bimetallism- Gresham's Law	5		
	Paper currency standard - Merits & Demerits of the Paper currency standard - Principles of Note issue.	4		
II	Meaning - Measurement of changes in the value of money	2	18	Chalk and Talk, PPT
	Theories - Quantity Theory of Money	2		
	Fisher's cash -Transactions Approach	4		
	The Cambridge School's cash Balance Approach			
	Saving and Investment Theory.	2		
	Meaning and Definition of Central Bank –	1		
	Functions-Role of Central Bank in Developed Countries and Developing Countries-	3		
	Meaning-Definition of RBI-Functions-	2		
Role of economic development –Difference between Central Bank and Commercial bank.	2			
III	COMMERCIAL BANKING: Commercial bank –Definition – Functions –	3	18	Chalk and Talk, PPT
	Types -The Balance sheet of Commercial Bank – Credit Creations-	4		
	Nationalizing commercial bank in India –	4		
	Role of commercial bank in India– Functions –	4		
	Credit control - Objectives – Methods.	3		
IV	AGRICULTURAL BANKING: Primary Agricultural Credit Societies (PACSs)	4	18	Chalk and Talk, PPT, Government Website
	Central Cooperative Banks (CCBs) –State Cooperative Banks (SCBs)	5		
	Land Development Banks (LDBs) – Strengthening the Cooperative Structure.- Rural Banks – Regional Rural Banks (RRBs) –	5		
	National Bank for Agriculture and Rural Development (NABARD).	4		
V	MODERN BANKING: Modern Banking -Introduction -E-Banking	4	18	Chalk and Talk, PPT
	Online transfer of funds- Core Banking	4		
	Methods of transferring funds	3		
	-Role of Modern banking in Developing countries	4		
	Problems of modern banking.	3		

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T.Kabavathi
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G. Jeyaraj
Course Teacher

**SRI SARADA COLLEGE FOR WOMEN (Autonomous)
TIRUNELVELI 627011**

COURSE TEACHING/LECTURE/EXAM PLAN

Department	Name of the faculty/s for the course	Academic year	Class
Economics	Smt.A.Shunmugapriya , Selvi. S.Archana Selin	2023-2024	III B.A Economics
Semester	Course code	Course title	
V	19UECC54	Industrial Economics	

Title of the book (Text/Reference)	Author/s	Edition & Publisher
Industrial Economics	R.R.Barthwal	2018 (3), New Age International Publishing House, New Delhi
Indian Economy	Gaurav. D and Ashwani. M	2015 (70), S. Chand & Co. New Delhi

Unit No	Topics	No. of hours	Proposed days/date	Remarks-Faculty/ Teaching aids
I	BASIC CONCEPTS OF INDUSTRIAL ECONOMICS	3	15	Chalk and Talk
	INDUSTRIALIZATION:			
	Meaning – Need-Importance-			
	Factors affecting industrialization			
	Location of industries			
II	INDUSTRIAL STRUCTURES:	3	15	Chalk and Talk
	Meaning –Standard Forms and Concept (Micro, small and medium enterprises)			
	MSMEs – New schemes of Start-up			
	Industrial structures and groups			
	Public and private, large small industries			
III	INDUSTRIAL FINANCE:	2	15	Chalk and Talk, PPT
	Meaning - Scope - Importance			
	Sources –Need for finance			
	Contribution Various Sources of Finance in Indian situation.			
	Private finance – public finance			
	Foreign capital, need for foreign capital			
	Government policy towards foreign capital			
Market Structure and Innovation in Industrial Sector.				
IV	INDUSTRIAL GROWTH IN INDIA:	3	15	Chalk and Talk, PPT
	Industrial growth in India			
	Industrial Policy in India			
	Small Scale Industries			
	Foreign collaboration in technology			
V	INDUSTRIAL LABOUR:	3	15	Chalk and Talk, PPT
	Meaning – Characteristics			
	Problems and suggestions of Industrial Labour			
	Trade union – Social & Security			
	Measures in India. Industrial labour Productivity in India.	5		

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**SRI SARADA COLLEGE FOR WOMEN (Autonomous)
TIRUNELVELI 627011**

COURSE TEACHING/LECTURE/EXAM PLAN

Department	Name of the faculty/s for the course	Academic year	Class
Economics	Dr.T.Kalavathi, Smt.A.Shunmugapriya	2023-2024	III B.A Economics
Semester	Course code	Course title	
V	19UECC53	Indian Economy	

Title of the book (Text/Reference)	Author/s	Edition & Publisher
Indian Economy	S.Sankaran	Virinda Publications(p)Ltd.
Indian Economy	Agarwal.	Himalaya Publishing House

Unit No	Topics	No. of hours	Proposed days/date	Remarks-Faculty/ Teaching aids
I	Indian Economy Pre and Post before Independence – Characteristics of Indian Economy	5	18	Chalk and Talk
	Factors determining Economic Development - Sustainable Economic Development	5		
	Problems of Indian Economy - Poverty and Unemployment	5		
	Causes and Remedial Measures.	3		
II	Demographic profile of India	3	18	Chalk and Talk
	Causes and Consequences of over population in India			
	Population Policy in India – National Family Welfare(planning)Programme-Population 2011-India & Tamil Nadu	5		
	Population Control in India – Progress of Human Development–Migration-Brain Drain.	5		
	Health: Meaning – Health and Development-Components and determinants	3		
	Health indicators – Life expectancy rate –Infant Mortality Rate – Maternal - Mortality Rate – Sex Ratio- Role of Women in Health.	2		
III	Allocation of Resources-Economic Regulation in Health- Health Policy	4	18	Chalk and Talk,PPT
	Demand for health services – Cost and Benefits of health services (Direct & indirect cost)	4		
	Health model and health – Role of physician - Health Financing in India-Sources of finance - Health Finance Profile 2017	5		
	Public,Private Participation (PPP) – Public expenditure on health – Problems in financing health services- Role of NGO's Healthcare sector.	5		
IV	Pradhan Mantri Jan DhanYojana – Make in India – PradhanMantriSukanyaSamrithi – Yojana (PMSSY)	4	18	Chalk and Talk, PPT
	Pradhan mantra Mudra Yojana	3		
	PradhanMandriJeevanJyotiBimaYojana (PMJJBY)			
	PradhanmantrisurakshaBimaYojana	3		
	Atal Pension Yojana – KisanVikasPatra			
	Gold Monetisation schemes- Start-up India stand-up India	2		
	Stand-up India Loan Scheme –	3		
	BHIM App – Shyama Prasad MukherjiRurban Mission (SPMRM)			
SetuBharatan Project – PradhanMantriUjjwalaYojana.	3			
V	Meaning-Objectives-Need and Importance of Planning exercises in India – Five-year Plans – Objectives and Achievements	6	18	Chalk and Talk, PPT
	NITI Aayog – Economic returns in India.	4		
	-Black Money –Meaning and Definition of Black Money- Control of Black money-	4		
	Regional Imbalance-Policy measures to remove regional disparities	4		

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Date:

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Principal

T.Kalavathi

HoD

Shunmugapriya

Course Teacher

SRI SARADA COLLEGE FOR WOMEN (Autonomous)
TIRUNELVELI 627011
COURSE TEACHING/LECTURE/EXAM PLAN

Department	Name of the faculty/s for the course	Academic year	Class
Economics	Selvi.S.Archana Selin	2023-2024	III B.A Economics
Semester	Course code	Course title	
V	19UCPD51	Personality Development	

Title of the book (Text/Reference)	Author/s	Edition & Publisher
Personality Development	Swami Vivekananda	AdvaitaAshrama Publication dept., Kolkata
Organisational Behaviour	Nirmal Singh	1 st Deep & Deep Publication Pvt.ltd

Unit No	Topics	No. of hours	Proposed days/date	Remarks-Faculty/ Teaching aids
I	PERSONALITY Definition – Determinants – Personality Traits –Theories of Personality – Importance of Personality Development. SELF AWARENESS – Meaning – Benefits of Self – Awareness – Developing Self – Awareness. SWOT – Meaning – Importance-Application. GOAL SETTING Meaning- Importance – Effective goal setting – Principles of goal setting – Goal setting at the Right level.	6hrs	1-6	Blackboard, Presentation, Charts.
II	UNIT – II - SELF MONITORING Meaning – High self – monitor versus low self-monitor – Advantages and Disadvantages self-monitor- Self –monitoring and job performance. PERCEPTION- Definition- Factor influencing perception- Perception process –Errors in perception – Avoiding perceptual errors. ATTITUDE – Meaning- Formation of attitude – Types of attitude - Measurement of Attitudes – Barriers to attitude change – Methods to attitude change. ASSERTIVENESS - Meaning – Assertiveness in Communication – Assertiveness Techniques – Benefits of being Assertive – Improving Assertiveness.	6hrs	7-12	Blackboard, Presentation, Debate.
III	TEAM BUILDING Meaning – Types of teams – Importance of Team building- Creating Effective Team.LEADERSHIP – Definition – Leadership style- Theories of leadership – Qualities of an Effect leader.NEGOTIATION SKILLS – Meaning – Principles of Negotiation – Types of Negotiation – The Negotiation Process – Common mistakes in Negotiation process.CONFLICT MANAGEMENT – Definition- Types of Conflict- Levels of Conflict – Conflict Resolution – Conflict management.	6hrs	13-18	Blackboard, Presentation,
IV	Communication Definition – importance– process–network – barriers - overcoming communication barriers. TRANSACTIONAL ANALYSIS – meaning – ego states – types of transactions – johari window – life positions. EMOTIONAL INTELLIGENCE – meaning – components of emotional intelligence – significance of managing emotional intelligence – how to develop emotional quotient. STRESS MANAGEMENT – meaning – sources of stress– symptoms of stress – consequences of stress – managing stress.	6hrs	19-24	Blackboard, Presentation.

V	<p>- Swami Vivekananda on Personality Development.</p> <p>Laws of personality development - different layers of personality - purity, patience Laws of personality development - different layers of personality - purity, patience and perseverance - unselfishness - be brave - faith - ethics - the power of concentration- inspire liberation from inertia - sense of equality. Top five dimensions of personality development are: 1. Physical self 2. Energy self 3. Intellectual self 4. Mental self 5. Blasful self. Faith, dutifulness, compassion, good thoughts, character, non-attachment, helping nature, fearlessness, love, wisdom, spirituality, responsibility, truth, strength within, the company of the good etc. are some traits recommended by Vivekananda for personality development. Self-help is the foundation that makes the building of personality development.</p>	6hrs	25-30	Blackboard, Quiz.
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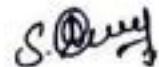
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Course Teacher

SRI SARADA COLLEGE FOR WOMEN (Autonomous) TIRUNELVELI 627011 COURSE TEACHING/LECTURE/EXAM PLAN			
Department	Name of the faculty/s for the course	Academic year	Class
Economics	Selvi.S.Archana Selin	2023-2024	III B.A Economics
Semester	Course code	Course title	
V	19UECCEP51	Economics for Competitive Examinations	

Title of the book (Text/Reference)	Author/s	Edition & Publisher
The Economics of Development and Planning	M.L.Jhingan	2002 (35)
Indian Economy	RuddarDutt& K.P.M. Sundaram	2014 (69)

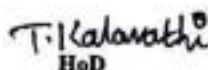
Unit No	Topics	No. of hours	Proposed days/date	Remarks-Faculty/ Teaching aids
I	PLANNING OF INDIAN ECONOMY:		9	Blackboard, Presentation, Quiz.
	Objectives of Five-Year Plans of India	2		
	NITI Aayog in India	2		
	Goods and Service Tax (GST)	2		
	Summary of current Year Budget	3		
II	STATUS OF AGRICULTURE:		9	Blackboard, Presentation, Debate.
	Causes for low productivity in Indian agriculture	1		
	Agricultural Policies	2		
	Cropping pattern	2		
	Agricultural Pricing	2		
	Schemes for farmers.	2		
III	TREND OF INDUSTRIAL SECTOR:		9	Blackboard, Powerpoint Presentation, Charts.
	Industrial Policies	2		
	Small Scale and Large Scale Industries	2		
	Major Industrial sectors of India	2		
	Institutional support for industrial sectors.	3		
IV	INTERNAL AND EXTERNAL TRADE:		9	Blackboard, Presentation, Charts.
	Balance of Trade	4		
	Balance of Payments	3		
	EXIM – Subsidies	3		
	Foreign Trade Policy	4		
	India's Trend in International Trade.	4		
V	ECONOMIC REFORMS AND SCHEMES:		9	Blackboard, Powerpoint Presentation, Quiz.
	Economic Reforms	2		
	Indian Economy in comparison to Major Economies of the World	2		
	Origin and Objectives of Central Government Schemes: Digital India Programme,	2		
	DeenDayalUpadhyayaAntyodayaYojana,	1		
	Mahatma Gandhi National Rural Employment Guarantee Act,	1		
	Ayushman Bharat Yojana.	1		

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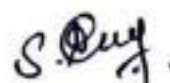
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SRI SARADA COLLEGE FOR WOMEN (Autonomous)
TIRUNELVELI 627011
COURSE TEACHING/LECTURE/EXAM PLAN

Department	Name of the faculty/s for the course	Academic year	Class
Mathematics	Dr. S. Ulagammal	2022-2023	I B.Sc., Mathematics
Semester	Course code	Course title	
I	23UMAFCl	Foundation Course-Bridge Mathematics	

Title of the book (Text/Reference)	Author/s	Edition & Publisher
NCERT class XI, XII		Website and e-learning source
Any state board mathematics		Website and e-learning source

Unit No.	Topics	No. of hours	Proposed days/date	Remarks-Faculty/ Teaching aids
I	Binomial Theorem	4	10	Chalk & Talk
	General term, Middle term, problems based on these concepts	3		
II	Sequence and Series (Progressions)	3	12	Chalk & Talk
	Fundamental Principle of Counting	3		
	Factorial n	3		
III	Derivation of formulae and their connection	3	12	Chalk & Talk
	Simple application with repetitions	3		
	Arrangements within groups	3		
	Formation of groups	3		
IV	Introduction to Trigonometry ratios	2	12	Chalk & Talk
	Proof of $\sin(A+B)$, $\cos(A+B)$, $\tan(A+B)$ formulae	3		
	Multiple and submultiple angles, $\sin(2A)$, $\cos(2A)$, $\tan(2A)$ etc.,	3		
	Transformations sum into product and product into sum formulae	3		
	Inverse trigonometry functions sine and cosine rule	3		
V	Limits, standard formulae and problems	3	12	Chalk & Talk
	Differentiation first principle uv rule, u/v rule	3		
	Methods of differentiation applications of derivatives	3		
	Integration –product rule and substitution method	3		Chalk & Talk

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COURSE TEACHING/LECTURE/EXAM PLAN

Department	Name of the faculty/s for the course	Academic year	Class
Mathematics	Dr.(smt).S. Ulagammal S. Priyanga	2022-2023	I B.Sc., Physics and Chemistry
Semester	Course code	Course title	
I	23UMAA11	Allied Mathematics-I	

Title of the book (Text/Reference)	Author/s	Edition & Publisher
Allied Mathematics -I	S. Arumugam & Issac	2016 & New Gamma Publishing House
A text book of Calculus	Dr.J. Paulraj Joseph & Dr.G. Mahadevan	2016 & Anuradha Publications

Unit No	Topics	No. of hours	Proposed days/date	Remarks- Faculty/ Teaching aids
I	Theory of equations	4	16	Chalk & Talk
	Formation of equations	4		
	Relation between roots and coefficient	5		
	Reciprocal equations	5		
II	Transformation of equations	4	16	Chalk & Talk
	Approximate solution to equations	4		
	Newton's method and Horner's method	5		
III	Matrices	4	16	Chalk & Talk
	Rank of a matrix	4		
	Characteristic equations of a matrix	4		
	Eigen values and Eigen vectors	4		
	Cayley Hamilton Theorem and Simple problems	4		
IV	n^{th} derivative	4	16	Chalk & Talk
	Curvature	4		
	Radius of curvature and center of curvature in Cartesian and polar coordinates	7		
V	Basic concepts of integration and reduction formulae	4	16	Chalk & Talk
	Double and triple Integrals	4		
	Changing the order of integration	5		
	Jacobians and change of variables	5		

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S. priyanga
Course Teacher

SRI SARADA COLLEGE FOR WOMEN (Autonomous)
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COURSE TEACHING/LECTURE/EXAM PLAN

Department	Name of the faculty/s for the course	Academic year	Class
Mathematics	B.REVATHY & A.SHUNMUGAPRIYA	2023-2024(Odd Semester)	I B.Sc., Mathematics
Semester	Course code	Course title	
I		Algebra and Trigonometry	

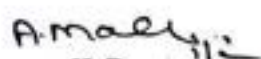
Title of the book (Text/Reference)	Author/s	Edition & Publisher
Theory of Equations	W.S. Burnstine and A.W. Pantone	
Linear Algebra and its Applications	David C. Lay	3 rd Ed., Pearson Asia Education, Delhi, Indian Reprint, 2007.
Advanced Trigonometry	C.V. Durell and A. Robson	Courier Corporation, 2003
Algebra and Trigonometry	J. Stewart, L. Redlin, & S. Watson	Cengage Learning, 2012

Unit No.	Topics	No. of hours	Proposed days/date	Remarks-Faculty/ Teaching aids
I	Reciprocal Equations- Standard form	2	12	Chalk and talk
	Reciprocal Equation of first type and second type	2		
	Increasing and Decreasing the roots of a given equation, Removal of Terms	2		
	Approximate Solutions of roots of polynomials by Horner's method	2		
	Exercise Problems	4		
II	Summation of a series – Binomial	2	12	PPT Chalk and talk
	Exponential Series	2		
	Logarithmic Series(Theorems without proof)	2		
	Approximations	2		
	Exercise Problems	4		
III	Characteristic Equation	2	13	Chalk and talk
	Eigen Values and Eigen Vectors	2		
	Similar Matrices	2		
	Cayley – Hamilton Theorem(Statement only)	1		
	Finding powers of square matrix	2		
	Inverse of a square matrix up to order 3	1		
	Diagonalization of a square matrix	1		
	Exercise Problems	2		
IV	De Movire's Theorem(Statement only) – Expansion of $\sin n\theta$, $\cos n\theta$ and $\tan n\theta$ - Power series of $\sin n\theta$, $\cos n\theta$ and $\tan n\theta$ (Statement only)	2	14	Chalk and talk
	Simple problems	4		
	Expansion of $\sin^n \theta$, $\cos^n \theta$ and $\sin^n \theta \cos^m \theta$, $\tan(\theta_1 + \theta_2 + \dots)$	4		
	Expansion of $\sin \theta$, $\cos \theta$ and $\tan \theta$ in terms of θ	4		
V	Hyperbolic functions, Relation between circular and hyperbolic functions	2	16	Chalk and talk
	Inverse Hyperbolic functions	3		
	Logarithm of a complex number	3		
	Summation of Trigonometric series	4		
	Simple Problems	4		

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SRI SARADA COLLEGE FOR WOMEN (Autonomous)

TIRUNELVELI 627011

COURSE TEACHING/LECTURE/EXAM PLAN

Department	Name of the faculty/s for the course	Academic year	Class
Mathematics	S. Priyanga	2022-2023	I B.Sc., Mathematics
Semester	Course code	Course title	
I	23UMAC12	Differential Calculus	

Title of the book (Text/Reference)	Author/s	Edition & Publisher
Calculus	G.B. Thomas and R.L. Finney	2010 & Pearson Education
Calculus	H. Anton, I. Birens and S. Davis	2002 & John Wiley and Sons

Unit No	Topics	No. of hours	Proposed days/date	Remarks- Faculty/ Teaching aids
I	Introduction (Review of basic concepts)	1	12	Chalk & Talk
	The n^{th} derivative	2		
	Standard results	1		
	Fractional expressions	2		
	Trigonometrical transformation	2		
	Formation of equations involving derivatives	3		
	Leibnitz formula for the n^{th} derivative of a product	3		
	Feynman's method of differentiation	2		
II	Partial derivatives	3	12	Chalk & Talk
	Successive partial derivatives	3		
	Function of a function rule	3		
	Total differential coefficient	3		
	Implicit Functions	2		
III	Homogeneous functions	3	12	Chalk & Talk
	Partial derivatives of a function of two variables	3		
	Maxima and Minima of functions of two variables	4		
	Lagrange's method of undetermined multipliers	4		
IV	Method of finding the envelope	4	12	Chalk & Talk
	Another definition of envelope	3		
	Envelope of family of curves which are quadratic in the parameter	6		
V	Definition of Curvature	2	12	Chalk & Talk
	Definition of Circle, Radius and Centre of Curvature	2		
	Evolutes and Involutives	4		
	Radius of Curvature in Polar Co-ordinates.	4		

Date of CIAs: As per college calendar/need based amendments

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SRI SARADA COLLEGE FOR WOMEN (Autonomous)
TIRUNELVELI 627011
COURSE TEACHING/LECTURE/EXAM PLAN

Department	Name of the faculty/s for the course	Academic year	Class
Mathematics	M.Dhivya	2022-2023	I B.Sc Cs, B.Com Cs, BCA, BA Economics
Semester	Course code	Course title	
I	23UNMA11	Mathematics for Competitive Examinations-I	

Title of the book (Text/Reference)	Author/s	Edition & Publisher
Objective Arithmetic (Text)	R.S. Agarwal	5 th Edition, 2011 & S. Chand & Company Ltd, New Delhi
Quantitative Aptitude (Reference)	S.P. Gupta & P.K. Gupta	1 st Edition, 2007, S. Chand & Company Ltd, New Delhi
Quantitative Aptitude for Competitive Examinations (Reference)	Abhijit Guha	11 th Edition, 2005, Tata McGraw - Hill Publishing.

Unit No	Topics	No. of hours	Proposed days/date	Remarks-Faculty/ Teaching aids
I	Average	4	5	Chalk and Talk
II	Problems on Numbers	4	5	Chalk and Talk
III	Percentage	5	6	Chalk and Talk
IV	Profit and Loss	5	6	Chalk and Talk
V	Ratio and Proportion	3	5	Chalk and Talk

Date of CIAs: As per college calendar/need based amendments.

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SRI SARADA COLLEGE FOR WOMEN (Autonomous)

TIRUNELVELI 627011

COURSE TEACHING/LECTURE/EXAM PLAN

Department	Name of the faculty/s for the course	Academic year	Class
Mathematics	S. Priyanga	2023-2024	II B.Sc., IT, II B.Sc., CS, II BCA, II B.A English
Semester	Course code	Course title	
III	22UNMA3A	Basics of Statistics	

Title of the book (Text/Reference)	Author/s	Edition & Publisher
Statistics	Dr.S. Arumugam	2015(1) & New Gamma Publishing House
Fundamentals of Mathematical Statistics	S.C. Gupta & V.K. Kapoor	2016(1) & Sultan Chand & Sons

Unit No	Topics	No. of hours	Proposed days/date	Remarks- Faculty/ Teaching aids
I	Correlation	3	6	Chalk & Talk
	Rank Correlation (Problems only)	4		
II	Regression	2	6	Chalk & Talk
	Lines of regression	3		
	Regression coefficient	4		
III	Interpolation	3	6	Chalk & Talk
	Finite differences	4		
IV	Newton's formula	3	6	Chalk & Talk
	Lagrange's formula	3		
V	Theory of attributes	3	6	Chalk & Talk
	Consistency of data	3		
	Independence and association of data	2		

Date of CIAs: As per college calendar/need based amendments.

Date:

A. Ramale
Principal

A. m. a. i. t.
HoD

S. priyanga
Course Teacher

SRI SARADA COLLEGE FOR WOMEN (Autonomous)
TIRUNELVELI 627011
COURSE TEACHING/LECTURE/EXAM PLAN

Department	Name of the faculty/s for the course	Academic year	Class
Mathematics	Dr. K. Ramalakshmi	2023 -2024	II B.Sc., Mathematics
Semester	Course code	Course title	
III	19UMAC31	Sequences and Series	

Title of the book (Text/Reference)	Author/s	Edition & Publisher
Sequences and Series	Arumugam. S , Thangapandi Issac and Somasundaram	2019(1) Yesdee Publications Private Ltd., Chennai.
Methods of Real Analysis	Richard R Goldberg	1970(2) Oxford and IBM Publishing Co., New Delhi
Mathematical Analysis	Tom M. Apostol	1974(2) Narosa Publishing House, New Delhi

Unit No	Topics	No. of hours	Proposed days/date	Remarks-Faculty/ Teaching aids
I	Real Number System: The rational numbers	4	11	
	The irrational numbers			
	Upper bounds	3		
	Maximum element least upper bound	3		
	The Completeness axioms	3		
	Absolute values Triangle inequality, Schwartz inequality.	4		
	Class Test.	1		
II	Bounded sequences	3	12	
	Monotonic sequences	3		
	Convergent sequences	4		
	Divergent and oscillating sequences	4		
	The algebra of limits	3		
	Class Test.	1		
III	Behaviour of monotonic sequences	4	13	
	Cauchy's first limit theorem	3		
	Cauchy's Second limit theorem	3		
	Cesaro's theorem - subsequences	4		
	Cauchy sequence - Cauchy's general principle of convergence.	4		
IV	Infinite series -term test	4	12	
	Comparison test, Examples	4		
	Kummer's test - D'Alembert's ratio test	4		
	Raabe's test-Gauss test	5		
	Root test-Cauchy's Condensation Test (with out proof).			
	Class Test	1		
V	Alternating series - Leibnitz's test	3	12	
	Tests for convergence of series of arbitrary terms Multiplication of series	4		
	Abel's Theorem- Mertzen's theorem	3		
	Power Series-Taylor's series	4		
	Maclaurin's Series	3		
	Class Test	1		

Date of CIAs: As per college calendar and based amendments.

Date:

Ramalakshmi
Principal

A. Mary
HoD

K. RAMALAKSHMI
Course Teacher

SRI SARADA COLLEGE FOR WOMEN (Autonomous)
TIRUNELVELI 627011
COURSE TEACHING/LECTURE/EXAM PLAN

Department	Name of the faculty/s for the course	Academic year	Class
Mathematics	Dr. S. Ulagammal	2022-2023	II B.Sc., Mathematics
Semester	Course code	Course title	
III	22UMAS31	Trigonometry and Vector Calculus	

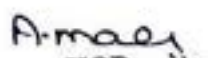
Title of the book (Text/Reference)	Author/s	Edition & Publisher
Methods of Applied mathematics	Francis B. Huddlebrand	1952(1), Prentice Hall of India, New Delhi
Calculus of variations with applications	A.S. Gupta	2006(6), Prentice Hall of India, New Delhi
Differential equations with applications and historical notes	George F. Simmons	1992(4), Tata McGraw-Hill edition

Unit No.	Topics	No. of hours	Proposed days/date	Remarks-Faculty/ Teaching aids
I	De Moivre's Theorem (Statement only)	4	15	Chalk & Talk
	Expansion of $\sin n\theta$, $\cos n\theta$ and $\tan n\theta$ (statement only)	3		
	Simple problems	4		
	Expansion of $\sin^n \theta$, $\cos^n \theta$ and $\sin^n \theta \cos^m \theta$ (statement only)	4		
II	Hyperbolic functions	3	15	Chalk & Talk
	Inverse Hyperbolic functions	3		
	Logarithm of a complex number	3		
	Gregory series	3		
	Calculation of the value of π and simple problems	3		
III	Vector differentiation	3	15	Chalk & Talk
	Gradient, divergence, curl and their properties	3		
	Simple problems	3		
IV	Vector integration	3	15	Chalk & Talk
	Line integrals	3		
	Surface integrals	3		
	Volume integrals	3		
V	Gauss divergence theorem	4	15	Chalk & Talk
	Stokes theorem	4		
	Green's theorem	4		
	Applications	3		

Date of CIA: As per college calendar/need based amendments

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Course Teacher

SRI SARADA COLLEGE FOR WOMEN (Autonomous)
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COURSE TEACHING/LECTURE/EXAM PLAN

Department	Name of the faculty/s for the course	Academic year	Class
Mathematics	Dr. A. Mahalakshmi	2023 – 2024	III B.Sc. Mathematics
Semester	Course code	Course title	
V	22UMAC51	Real Analysis	

Title of the book (Text/Reference)	Author/s	Edition & Publisher
Modern Analysis	Dr.S. Arumugam, Isaac and Somasundaram	2019(1), Yesdee Publication Pvt Ltd., Chennai
Elements of Real Analysis	Shanti Narayanan, M.D. Rai Singhania	2007(8), S.Chand and Company Ltd., New Delhi

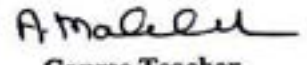
Unit No	Topics	No. of hours	Proposed days/date	Remarks-Faculty/ Teaching aids
I	Introduction of countable and uncountable sets	5	12	Chalk and Talk
	Holder's and Minkowski's inequalities.	5		
	Metric spaces – Definitions and examples	4		
	Bounded sets, Open balls and Open sets	4		
II	Subspaces, Interior of a set and closed sets	6	12	Chalk and Talk
	Closure, Limit point and Dense sets	6		
	Completeness– definition and examples - Cantor's intersection theorem and Baire's Category Theorem	6		
III	Continuity	4	13	Chalk and Talk
	Homeomorphism	4		
	Uniform continuity	5		
	Discontinuous functions on R	5		
IV	Connected – definition and examples	4	11	Chalk and Talk
	Connected subsets of R	4		
	connectedness and continuity	5		
	Intermediate value theorem	5		
V	Compactness – definition and examples	5	13	Chalk and Talk
	compact subsets of a real line R	5		
	Equivalent Characterization of compactness	4		
	Compactness and Continuity	4		

Date of CIAs: As per college calendar/need based amendments.

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SRI SARADA COLLEGE FOR WOMEN (Autonomous)
TIRUNELVELI 627011
COURSE TEACHING/LECTURE/EXAM PLAN

Department	Name of the faculty/s for the course	Academic year	Class
Mathematics	B.REVATHY& S.PRIYANGA	2023-2024(Odd Semester)	III B.Sc., Mathematics
Semester	Course code	Course title	
V	22UMAC52	Mechanics	

Title of the book (Text/Reference)	Author/s	Edition & Publisher
Statics	Venkataraman M.K	2002(10),Agasthiar Publications,Trichy
Dynamics	Venkataraman M.K	2002(10),Agasthiar Publications,Trichy
Mechanics	Duraipandian P and Laxmi Duraipandian, Muthamizh Jayapragasam	2005(6),S.Chand and company,New Delhi
Mechanics	I.Rajeswari	2016(1),Saras Publications,Nagarcoil
Statics	Khanna M.L.	2008,Pragati Pragasam Ltd.,U.P.

Unit No.	Topics	No. of hours	Proposed days/date	Remarks-Faculty/ Teaching aids
I	Forces acting at a point: Forces acting at a point – types of forces.	5	15	Chalk and talk
	Triangle of forces-polygon of forces – Lami's theorem – Parallel Forces and moments.	5		
	Resultant of two like parallel forces, unlike and unequal parallel forces.	4		
	Moment of a force – Varignon's theorem of moments.	4		
II	Equilibrium of strings and chains: Uniform string under the action of gravity, Equation of the Common catenary tension at any point	6	15	PPT
	Geometrical properties of common catenary-parabolic catenary	6		Chalk and talk
	Suspension bridge – problems	6		
III	Projectiles: Two fundamental principles-Equation of the path	6	15	Chalk and talk
	Characteristics of a motion of a projectile-Maximum height	6		
	Time of flight, Range-motion on the surface of a smooth inclined plane-Enveloping parabola	6		
IV	Simple harmonic motion: Simple harmonic motion(SHM) of a straight line.	4	15	Chalk and talk
	Geometrical representation	4		
	Composition of SHM's of same period in the same line and along two perpendicular direction.	4		
	SHM as a curve-Simple pendulum.	3		
	Equivalent Simple pendulum, The seconds pendulum.	3		
V	Motion under the action of central Forces: Introduction	3	15	Chalk and talk
	Velocity and acceleration in Polar co-ordinates	4		
	Differential equation of Central orbit	5		
	Pedal equation of Central orbit	6		

Date of CIAs: As per college calendar/need based amendments.

Date:

A. Ramale
Principal

A. Ramale
HoD

S. Priyanga
Course Teacher

SRI SARADA COLLEGE FOR WOMEN (Autonomous)
TIRUNELVELI 627011
COURSE TEACHING/LECTURE/EXAM PLAN

Department	Name of the faculty/s for the course	Academic year	Class
Mathematics	M.Dhivya	2023-2024	III B.Sc Mathematics
Semester	Course code	Course title	
V	19UMACEP51	Mathematics for Competitive Examinations	

Title of the book (Text/Reference)	Author/s	Edition & Publisher
Objective Arithmetic (Text)	R.S. Agarwal	5 th Edition & S. Chand & Company Ltd, NewDelhi
Quantitative Aptitude (Reference)	S.P.Gupta & P.K. Gupta	1 st Edition, 2007, S. Chand & Company Ltd, NewDelhi
Quantitative Aptitude for Competitive Examinations (Reference)	Abhijit Guha	11 th Edition, 2005, Tata MCGraw – Hill Publishing.

Unit No	Topics	No. of hours	Proposed days/date	Remarks-Faculty/ Teaching aids
I	Simple Interest	4	9	Chalk and Talk
	Compound Interest	5		
II	Time and Work	5	9	Chalk and Talk
	Important facts and formula	4		
III	Time and Distance	5	9	Chalk and Talk
	Important facts and formula	4		
IV	Chain Rule	3	9	Chalk and Talk
	Compound Proportion	2		
	Direct Proportion	2		
	Indirect Proportion	2		
V	Pipes and Cistern	3	9	Chalk and Talk
	Inlet	3		
	Outlet	3		

Date of CIAs: As per college calendar/need based amendments.

Date:

Amal
Principal

Amal
HoD

M. Dhivya
Course Teacher

SRI SARADA COLLEGE FOR WOMEN (Autonomous)
TIRUNELVELI 627011
COURSE TEACHING/LECTURE/EXAM PLAN

Department	Name of the faculty/s for the course	Academic year	Class
Mathematics	T. Lingeswari	2023-2024	III, B.Sc., Mathematics
Semester	Course code	Course title	
V	22UMAC53	Transforms and their Applications	

Title of the book (Text/Reference)		Author/s	Edition & Publisher
Engineering Mathematics(Volume III)		A. Singaravelu	Meenakshi Agency, Chennai, 2007
Engineering Mathematics(Volume III)		A. Gangadharan	Meenakshi Agency, Chennai, 2007

Unit No.	Topics	No. of hours	Proposed days/date	Remarks- Faculty/ Teaching aids
I	Fourier integrals: Fourier integral	5	15	Chalk & Talk
	Fourier Sine and Cosine integral	5		
	Complex form of Fourier integral	2		
	Problems	3		
II	Fourier Transform: Complex Fourier Transforms	5	15	Chalk & Talk
	Inversion Formula	3		
	Fourier Sine and Cosine Transform	3		
	Problems	4		
III	Properties of Fourier Transforms	5	15	Chalk & Talk
	Properties of Fourier Sine and Cosine Transforms	5		
	Applications of Fourier Transforms for solving integral Equations	2		
	Problems	4		
IV	Z- transform	4	15	Chalk & Talk
	Properties of Z- transform	4		
	Problems	4		
	Z- transform of unit step function	3		
V	Unit impulse function	3	15	Chalk & Talk
	Property	4		
	Inverse Z- transform(Except using Residue Theorem and Power series method)	5		
	Problems	3		

Date of CIAs: As per college calendar/need based amendments

Date:

A. Amala
Principal

A. Amala
HoD

T. LINGESWARI
Course Teacher

SRI SARADA COLLEGE FOR WOMEN (Autonomous)

TIRUNELVELI 627011

COURSE TEACHING/LECTURE/EXAM PLAN

Department	Name of the faculty/s for the course	Academic year	Class
Mathematics	A. Shunmugapriya	2023-24	III B.Sc., Mathematics
Semester	Course code	Course title	
V	22UMAE51B	Discrete Mathematics	

Title of the book (Text/Reference)	Author/s	Edition & Publisher
Discrete Mathematical Structure with Applications to Computer Science	J.P.Trembly & R.Manohar	2003(1) &Tata McGraw Hill Publishing Company, New Delhi.
Discrete Mathematics	V.Sundaresan, K.S.Ganapathy Subramaniyan & K.Ganesan	2000(1) &Tata McGraw Hill Publishing Company, New Delhi
Discrete Mathematics	M.K.Venkataraman, N.Sridharan & N.ChandraSekaran	2000(2)&The National Publishing Company, Chennai
Discrete Mathematics	Balaji .G	2013(6)&Balaji Publishers, Chennai
Discrete Mathematics	Veerarajan .T	2009&Tata McGraw Hill Publishing Company, New Delhi

Unit No	Topics	No. of hours	Proposed days/date	Remarks-Faculty/ Teaching aids
I	Mathematical Logic –statements and notation	3	15	Chalk and Talk
	Connectives- Negation, conjunction, disjunction	3		
	statement Formula's and truth table	3		
	conditional and bi conditional-well defined formulas-Tautologies	4		
	Equivalence of formulas-Duality law	4		
	Tautological Implications - Formulas with distinct truth tables.	4		
II	Normal forms	6	12	Chalk and Talk
	The theory of inference for the statement calculus: Validity, Rules of Inference	5		
	Consistency of Premises and Indirect method of Proof	5		
	Automatic Theorem Proving	5		
III	Predicate Calculus: Predicates	3	12	Chalk and Talk
	Statement functions, Variables and Quantifiers	3		
	Predicate Formulas, Free and Bound Variables	3		
	The universe of Discourse and related problems	3		
IV	Lattices as Partially ordered sets: Definition and Examples	2	15	PPT Chalk and Talk
	Properties of Lattices	2		
	Lattices as Algebraic System	3		
	Sub lattices, Direct Product and Homomorphism	4		
	Some Special Lattices	4		
V	Boolean Algebra	5	15	Chalk and Talk
	Boolean Functions	5		
	Representation and Minimization of Boolean Function	5		

Date of CIAs: As per college calendar/need based amendments.

Date:

A. Ramiah
Principal

A. Madhavan
HoD

[Signature]
Course Teacher

SRI SARADA COLLEGE FOR WOMEN (Autonomous)
TIRUNELVELI 627011
COURSE TEACHING/LECTURE/EXAM PLAN

Department	Name of the faculty/s for the course	Academic year	Class
Mathematics	M.Dhivya	2023-2024	III B.Sc., Mathematics
Semester	Course code	Course title	
V	19UPDC51	Personality Development	

Title of the book (Text/Reference)	Author/s	Edition & Publisher
Personality Development,	Dr.S. NarayanaRajan, Dr. B. Rajasekaran, G. Venkadasalaphi, V. VijureshNayaham and Herald M.Dhas	2008, Publication Division, ManonmaniamSundaranar University, Tirunelveli
From Campus to Corporate	Dr.K.K. Ramachandran and Dr.K.K. Karthick	2010, Macmillan Publishers India Limited, New Delhi
Personality Development	Swami Vivekananda	2011, AdvaitaAshrama, Publication branch of Sri Ramakrishna Math, Belur Math.


Unit No	Topics	No. of hours	Proposed days/date	Remarks- Faculty/ Teaching aids
I	PERSONALITY: Definition – Determinants – Personality Traits –Theories of Personality – Importance of Personality Development.	2	8	Chalk and Talk
	SELF AWARENESS – Meaning – Benefits of Self – Awareness – Developing Self – Awareness. SWOT – Meaning – Importance- Application	2		
	GOAL SETTING Meaning- Importance – Effective goal setting – Principles of goal setting – Goal setting at the Right level	2		
II	SELF MONITORING: Meaning – High self – monitor versus low self-monitor – Advantages and Disadvantages self-monitor- Self –monitoring and job performance	1	8	Chalk and Talk
	PERCEPTION- Definition- Factor influencing perception- Perception process –Errors in perception – Avoiding perceptual errors	1		
	ATTITUDE – Meaning- Formation of attitude – Types of attitude - Measurement of Attitudes – Barriers to attitude change – Methods to attitude change.	2		
	ASSERTIVENESS - Meaning – Assertiveness in Communication – Assertiveness Techniques – Benefits of being Assertive – Improving Assertiveness	2		

Unit No	Topics	No. of hours	Proposed days/date	Remarks- Faculty/ Teaching aids
III	TEAM BUILDING: Meaning – Types of teams – Importance of Team building- Creating Effective Team. LEADERSHIP – Definition – Leadership style- Theories of leadership – Qualities of an Effect leader.	2	8	Chalk and Talk
	NEGOTIATION SKILLS – Meaning – Principles of Negotiation – Types of Negotiation – The Negotiation Process – Common mistakes in Negotiation process.	2		
	CONFLICT MANAGEMENT – Definition- Types of Conflict- Levels of Conflict – Conflict Resolution – Conflict management.	2		
IV	COMMUNICATION: Definition – importance– process–network – barriers - overcoming communication barriers.	1	8	Chalk and Talk
	TRANSACTIONAL ANALYSIS –meaning – ego states – types of transactions – johari window – life positions	1		
	EMOTIONAL INTELLIGENCE – meaning – components of emotional intelligence – significance of managing emotional intelligence – how to develop emotional quotient	2		
	STRESS MANAGEMENT – meaning – sources of stress– symptoms of stress – consequences of stress – managing stress	2		
V	Swami Vivekananda on Personality Development. Laws of personality development - different layers of personality - purity, patience and perseverance - unselfishness - be brave - faith - ethics - the power of concentration - inspire liberation from inertia - sense of equality.	3	8	Chalk and Talk
	Top five dimensions of personality development are: 1. Physical self 2. Energy self 3. Intellectual self 4. Mental self 5. Blissful self. Faith, dutifulness, compassion, good thoughts, character, non-attachment, helping nature, fearlessness, love, wisdom, spirituality, responsibility, truth, strength within, the company of the good etc. are some traits recommended by Vivekananda for personality development. Self-help is the foundation that makes the building of personality development.	3		

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HoD


Course Teacher

SRI SARADA COLLEGE FOR WOMEN (Autonomous)
TIRUNELVELI 627011
COURSE TEACHING/LECTURE/EXAM PLAN

Department	Name of the faculty/s for the course	Academic year	Class
Mathematics	T. Lingeswari	2023-2024	I M.Sc., Mathematics
Semester	Course code	Course title	
I		Algebraic Structures	

Title of the book (Text/Reference)	Author/s	Edition & Publisher
Topics in Algebra	I.N.Herstein	II Edition, Wiley Eastern Limited, New Delhi, 1975'
Algebra	M. Artin	Prentice Hall of India, 1991
Basic Abstract Algebra	P.B. Bhattacharya, S.K. Jain and S.R. Nagpaul	II Edition, Cambridge University Press, 1997.(Indian Edition)
Algebra Vol. I- Groups(1996);Vol. II Rings.	I.S.Luther and I.B.S.Passi	Narosa Publishing House, New Delhi, 1999.
Fundamental of Abstarct Algebra	D.S.Malik, J.N'Mordeson and M..Sen	McGraw Hill (international Edition), New York 1997.
Basic Algebra, Vol.I &II	N.Jacobson	W.H. Freeman (1980) also published by Hindustan Publishing Company, New Delhi.

Unit No.	Topics	No. of hours	Proposed days/date	Remarks- Faculty/ Teaching aids
I	Counting Principle	5	15	Chalk & Talk
	Class Equation for finite Groups and its application	5		
	Sylow's Theorem(for theorem 2.12.1, first proof only)	5		
II	Solvable Groups	5	15	Chalk & Talk
	Direct products	3		
	Finite Abelian Groups	3		
	Modules	4		
III	Linear Transformation	5	15	Chalk & Talk
	Canonical forms	4		
	Triangular form	3		
	Nilpotent Transformations	3		
IV	Jordan Form	8	15	Chalk & Talk
	Rational Canonical Form	7		
V	Trace and Transpose	5	15	Chalk & Talk
	Hermitian, Unitary, Normal Transformatios	5		
	Real Quadratic Form	5		

Date of CIAs: As per college calendar/need based amendments

Date:

Ramala
Principal

A. Madhavan
HoD

T. LINGESWARI
Course Teacher

SRI SARADA COLLEGE FOR WOMEN (Autonomous)
TIRUNELVELI 627011
COURSE TEACHING/LECTURE/EXAM PLAN

Department	Name of the faculty/s for the course	Academic year	Class
Mathematics	Dr.(smt).B. Revathy	2022-2023	I M.Sc., Mathematics
Semester	Course code	Course title	
I	23PMAC12	Real Analysis I	

Title of the book (Text/Reference)	Author/s	Edition & Publisher
Mathematical Analysis	Tom M. Apostol	2 nd edition & Addison – Wesley Publishing company Inc, New York
Principles of Real Analysis	A.L.Gupta & N.R. Gupta	Pearson Education

Unit No	Topics	No. of hours	Proposed days/date	Remarks- Faculty/ Teaching aids
I	Functions of bounded variation Introduction Properties of monotonic functions Functions of bounded variation Total variation Additive property of total variation Total variation on $[a, x]$ as a function of x Functions of bounded variation expressed as the difference of two increasing functions Continuous functions of bounded variation Infinite Series : Absolute and conditional convergence Dirichlet's test and Abel's test Rearrangement of series Riemann's theorem on conditionally convergent series.	1 1 1 1 1 1 2 1 2 3 2 1	15	Chalk & Talk
II	The Riemann - Stieltjes Integral Introduction Notation The definition of the Riemann-Stieltjes integral Linear Properties Integration by parts Change of variable in a Riemann - Stieltjes integral Reduction to a Riemann Integral Euler's summation formula Monotonically increasing integrators, Upper and lower integrals Additive and linearity properties of upper, lower integrals Riemann's condition Comparison theorems	1 1 1 2 2 3 1 2 1 1 1	15	Chalk & Talk

III	The Riemann-Stieltjes Integral Integrators of bounded variation Sufficient conditions for the existence of Riemann-Stieltjes integrals Necessary conditions for the existence of RS integrals Mean value theorems Integrals as a function of the interval Second fundamental theorem of integral calculus Change of variable Second Mean Value Theorem for Riemann integral Riemann-Stieltjes integrals depending on a parameter Differentiation under integral sign Lebesgue criteriaon for existence of Riemann integrals	1 2 2 1 1 1 2 2 2 1 1	15	Chalk & Talk
IV	Infinite Series and infinite Products Double sequences Double series Rearrangement theorem for double series A sufficient condition for equality of iterated series Multiplication of series Cesaro summability Infinite products. Power series Multiplication of power series The Taylor's series generated by a function Bernstein's theorem Abel's limit theorem Tauber's theorem	1 1 2 1 1 1 1 2 1 1 2 2	15	Chalk & Talk
V	Sequences of Functions Pointwise convergence of sequences of functions Examples of sequences of real valued functions Uniform convergence and continuity Cauchy condition for uniform convergence Uniform convergence of infinite series of functions Riemann - Stieltjes integration Non-uniform Convergence and Term-by-term Integration Uniform convergence and differentiation Sufficient condition for uniform convergence of a series Mean convergence	1 1 2 2 2 1 3 3 2 1	15	Chalk & Talk

Date of CIAs: As per college calendar/need based amendments.

Date:

Kamale
Principal

A. m. a. i.
HoD

Dr. B. REVATHY
Course Teacher

SRI SARADA COLLEGE FOR WOMEN (Autonomous)
TIRUNELVELI 627011
COURSE TEACHING/LECTURE/EXAM PLAN

Department	Name of the faculty/s for the course	Academic year	Class
Mathematics	Dr.S.Ulagammal; A.Shunmugapriya	2022-2023	I M.Sc., Mathematics
Semester	Course code	Course title	
I	23PMAC13	Ordinary Differential Equations	

Title of the book (Text/Reference)	Author/s	Edition & Publisher
A introduction to ODE's	E.A.Coddington	1987(3) Prentice-Hall of India Ltd.New Delhi.
Differential equations and boundary value problems	W.E .Boyce and Richard C. DI. Prima	1967 & John Wiley and Sons, New York
Special functions and their applications	N.N.Lebedev	1965 & Prentice Hall of India, New India
Ordinary Differential Equations	W.T.Reid	1971 & John Wiley and Sons, New York

Unit No.	Topics	No. of hours	Proposed days/date	Remarks-Faculty/ Teaching aids
I	Second order homogeneous equations	3	15	Chalk & Talk
	Initial Value problem	3		
	Linear dependence and independence	3		
	Wronskian and a formula for wronskian	3		
	Non-homogeneous equation of order two	3		
II	Homogeneous and non - homogeneous equation of order n	4	15	Chalk & Talk
	IVP	2		
	Annihilater method to solve non-homogeneous equations	4		
	Algebra of constant coefficient operators	3		
III	IVP	3	15	Chalk & Talk
	Existence and Uniqueness theorems	3		
	Solutions to solve a non-homogeneous equation	3		
	Wronskian and linear dependence	3		
	Reduction of the order of a homogeneous equation	3		
	Homogeneous equation with analytic coefficient	2		
	The Legendre	3		
IV	Euler equation	3	15	Chalk & Talk
	Second order equations with regular singular points	3		
	Exceptional cases	3		
	Bessel function	3		
V	Equation with variable separated	3	15	Chalk & Talk
	Exact solution	2		
	Method of successive approximations	3		
	The Lipschitz condition	3		
	Convergence of the successive approximations and the existence theorem	3		

Date of CIAs: As per college calendar/need based amendments

Date:

A. Amala
Principal

A. Amala
HOD

Shanmuga
Course Teacher

SRI SARADA COLLEGE FOR WOMEN (Autonomous)
TIRUNELVELI 627011
COURSE TEACHING/LECTURE/EXAM PLAN

Department	Name of the faculty/s for the course	Academic year	Class
Mathematics	Dr. (smt). A. Mahalakshmi S. Priyanga	2022-2023	I M.Sc., Mathematics
Semester	Course code	Course title	
I	23PMAE11	Graph Theory and Applications	

Title of the book (Text/Reference)	Author/s	Edition & Publisher
Graph Theory with Applications	H.J.A. Bondy and U.S.R. Murty	2008 & North Holland, New York, Amsterdam, Oxford
Text Book of Graph Theory	R. BalaKrishnan and K. Ranganathan	Springer Publications

Unit No	Topics	No. of hours	Proposed days/date	Remarks- Faculty/ Teaching aids
I	Graphs	1	15	Chalk & Talk
	Sub graphs	1		
	Graphs & Simple graphs	1		
	Graph Isomorphism	2		
	Vertex degrees	2		
	Path and connection	3		
	Trees	3		
	Cut edges and Bonds-Cut vertices	3		
	Cayley's formula	2		
	II	Connectivity		
Blocks		3		
Euler tour		3		
Hamilton cycle		3		
Chavatal theorems		3		
III		Matchings	4	15
	Matchings and Coverings in Bipartite Graphs	4		
	Marriage Theorem	4		
	Perfect Matching	4		
		4		

IV	Colorings	1	15	Chalk & Talk
	Edge Coloring	2		
	Edge Chromatic number	3		
	Vizing's theorem	2		
	Vertex Coloring	1		
	Chromatic number	1		
	Brook's Theorem	2		
	Hajo's Conjecture	2		
	Chromatic Polynomials	2		
	Girth and Chromatic Number	2		
V	Independent sets – Cliques	4	15	Chalk & Talk
	Independents sets-Ramsey's Theorem	4		
	Erdo's Theorem	4		
	Turan's Theorem	4		

Date of CIAs: As per college calendar/need based amendments.

Date:

A. Amalek
Principal

for *A. Amalek*
HoD

A. Amalek
S. Priyanga
Course Teacher

SRI SARADA COLLEGE FOR WOMEN (Autonomous)
TIRUNELVELI 627011
COURSE TEACHING/LECTURE/EXAM PLAN

Department	Name of the faculty/s for the course	Academic year	Class
Mathematics	M.Dhivya	2023-2024	I M..Sc Mathematics
Semester	Course code	Course title	
I	23PMAE12	Fuzzy sets and their Applications	

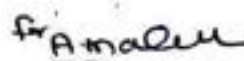
Title of the book (Text/Reference)	Author/s	Edition & Publisher
Fuzzy Mathematical Concept	Nanda S and Das N.R	2010,Narosa Publishing house ,pvt Ltd.,
Fuzzy set theory and fuzzy controller	Hooda D.S. and Vivek Raich	2015, Narosa Publishing house ,pvt Ltd.,
Fuzzy matrix Theory and Applications	Meenakshi R.	MJP Publishers,Chennai,2008

Unit No	Topics	No. of hours	Proposed days/date	Remarks-Faculty/ Teaching aids
I	Fuzzy subsets	4	9	Chalk and Talk
	Fuzzy Mapping	5		
II	Fuzzy Relation	5	9	Chalk and Talk
	Fuzzy Logic	4		
III	Fuzzy Groups	5	9	Chalk and Talk
	Fuzzy Rings	4		
IV	Fuzzy Field	3	6	Chalk and Talk
	Fuzzy Linear Space	2		
V	Fuzzy Metric Space	3	5	Chalk and Talk

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SRI SARADA COLLEGE FOR WOMEN (Autonomous)
TIRUNELVELI 627011
COURSE TEACHING/LECTURE/EXAM PLAN

Department	Name of the faculty/s for the course	Academic year	Class
Mathematics	Dr. S. Ulagammal & S. Priyanga	2022-2023	I M.com
Semester	Course code	Course title	
I	23PCME11B	Operations Research	

Title of the book (Text/Reference)	Author/s	Edition & Publisher
Operations Research	Gupta.P.K and Hira D.S	7 th Edition & S. Chand , Noida(UP)
Operations Research	Kapoor V.K	9 th Edition & Sultan Chand , New Delhi

Unit No.	Topics	No. of hours	Proposed days/date	Remarks-Faculty/ Teaching aids
I	Introduction to operation research	4	15	Chalk & Talk
	Uses and limitations	3		
	Graphical method	3		
	Simplex method	3		
	Big-M method	3		
II	Formulation of transportation models	3	15	Chalk & Talk
	Basic feasible solution	3		
	Optimal solution	3		
	Degeneracy in TP	3		
	Assignment problem	3		
	Comparison with TP	3		
	Formulation of assignment problem	3		
III	Sequencing problem	3	15	Chalk & Talk
	Processing of n jobs through one machine	3		
	Processing of n jobs through two machine	3		
	Processing of n jobs through three machine	3		
IV	Introduction	2	15	Chalk & Talk
	Individual replacement problems	3		
	Group replacement problems	3		
	Network analysis:PERT and CPM	3		
V	Decision tree analysis	3	15	Chalk & Talk
	Applications of queuing models	4		
	Waiting time, and idle time costs	3		
	Single channel Poisson arrivals with Exponential Service	3		
	Infinite population model	3		

Date of CIAs: As per college calendar/need based amendments

Date:

Ramale
Principal

A. maly
HOD

S. priyanga
Course Teacher

SRI SARADA COLLEGE FOR WOMEN (Autonomous)
TIRUNELVELI 627011
COURSE TEACHING/LECTURE/EXAM PLAN

Department	Name of the faculty/s for the course	Academic year	Class
Mathematics	B.REVATHY	2023-2024(Odd Semester)	II M.Sc., Mathematics
Semester	Course code	Course title	
III	22PMAC31	Measure And Integration	


Title of the book (Text/Reference)	Author/s	Edition & Publisher
Real Analysis	H. L. Royden, P. M. Fitzpatrick	2013(4) & PHI Learning Private Ltd, Delhi – 110 092
Measure Theory and Integration	G. De Barra	2006(2) & New Age International Publications
Measure and Integration	Dr. A. Nagarajan	2016(1) & CHAROO Publications, Tuticorin

Unit No.	Topics	No. of hours	Proposed days/date	Remarks-Faculty/ Teaching aids
I	Lebesgue Measure – Lebesgue Outer Measure Countable	3	15	Chalk & Talk
	The σ - Algebra of Lebesgue Measurable sets	3		
	Outer and Inner Approximation of Lebesgue Measurable set	3		
	Countable Additivity, Continuity	3		
	Borel – Cantelli Lemma	3		
	Problems	3		
II	Lebesgue Measurable functions –Definition	3	15	Chalk & Talk
	Sums, Products and Compositions	3		
	Sequential pointwise Limits and Simple Approximation	3		
	Littlewood's Three Principles: Egoroff's Theorem	3		
	Lusin's Theorem	3		
	Problems	3		
III	Lebesgue Integration - The Riemann Integral	5	15	Chalk & Talk
	The Lebesgue Integral of a bounded Measurable function over a set of finite Measure	6		
	The Lebesgue Integral of a Measurable non -negative function.	6		
	Class Test	1		
IV	The general Lebesgue Integral – Countable Additivity and Continuity of Integration.	5	15	Chalk & Talk
	Differentiation and Integration – Continuity of monotone functions	5		
	Differentiability of monotone functions: Lebesgue's theorem	4		
	Functions of bounded variations: Jordan's theorem	4		
V	Absolutely continuous functions - Measure and Integration -Introduction	4	15	Chalk & Talk
	Measure and measurable sets signed measures	3		
	The Hahn and Jordan Decompositions	3		
	The Caratheodory measure induced by an outer measure	3		
	The construction of outer measure.	3		
	Revision	2		

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Date:


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HoD

B. REVATHY
Course Teacher

SRI SARADA COLLEGE FOR WOMEN (Autonomous)
TIRUNELVELI 627011
COURSE TEACHING/LECTURE/EXAM PLAN

Department	Name of the faculty/s for the course	Academic year	Class
Mathematics	Dr.A.Mahalakshmi	2023-2024	II M.Sc., Mathematics
Semester	Course code	Course title	
III	22PMAC32	Topology	
Title of the book (Text/Reference)		Author/s	Edition & Publisher
Topology		James R Munkres	2002(2) & Prentice Hall of India Pvt. Ltd, New Delhi 110001
Introduction to General Topology		K.D. Joshi Willey	1986(1) & Eastern Limited
Topology		K. Chandrasekara Rao	2009(1) & Narosa Publishing House, New Delhi

Unit No	Topics	No. of hours	Proposed days/date	Remarks-Faculty/ Teaching aids
I	Types of Topological Spaces	3	12	
	Basis for a Topology	2		
	The order topology	2		
	The product topology on $X \times Y$	3		
	The Subspace Topology	2		
	Closed sets and limit points	2		
	Continuous functions.	2		
	Problem: Chap:2, Sec 13 (1&4)	2		
II	The Product Topology	4	10	
	The metric Topology	3		
	Connected spaces	3		
	Connected subspaces of the real line	4		
	Components and Local Connectedness	4		
III	Compact spaces	5	8	
	Compact subspaces of the real line	5		
	Limit point Compactness	4		
	Problem: Chap:3, Sec 26 (3,6)	4		
IV	Countability axioms	4	15	
	The separation axioms	31		
	Normal spaces	3		
	The Uryshon's lemma	5		
	Problem: Chap:4, Sec 30 (2&3)	3		
V	Completely regular	6	15	
	The Uryshon metrization Theorem	6		
	Tietz Extension Theorem.	5		
	Problem: Chap:4, Sec 34 (1 to 3)	1		

Date of CIAs: As per college calendar/need based amendments.

Date:

A. Malakshmi
Principal

A. Malakshmi
HoD

A. Malakshmi
Course Teacher

SRI SARADA COLLEGE FOR WOMEN (Autonomous)
TIRUNELVELI 627011
COURSE TEACHING/LECTURE/EXAM PLAN

Department	Name of the faculty/s for the course	Academic year	Class
Mathematics	A.Shunmugapriya	2023-24	II M.Sc., Mathematics
Semester	Course code	Course title	
III	22PMAC34	Research Methodology and Mathematical Statistics	


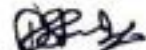
Title of the book (Text/Reference)	Author/s	Edition & Publisher
Writing up your University Assignments and Research Projects- A Practical hand book	Neil Murray and Geraldine Hughes	2008, McGraw Hill Open University Press
Introduction to Mathematical Statistics	Robert V.Hogg and Allen T. Craig	2005(4), Pearson Education Asia
Research Methodology	C.R.Kothari	2 nd revised methods and techniques edition, New Age International Publications, New Delhi
Fundamentals of Mathematics Statistics	S. C. Gupta, V. K. Kapoor	2002(11), Sultan chand& sons Publishers, New Delhi
An Introduction to Probability Theory and its Applications	William Feller	1966 (2), A Wiley Publication in Mathematical Statistics.

Unit No.	Topics	No. of hours	Proposed days/date	Remarks- Faculty/ Teaching aids
I	Research Project-Difference between a dissertation and a thesis	5	15	Chalk and talk
	Basic requirements of a research degree	5		
	Writing a proposal	4		
	Ethical Considerations	4		
II	Components of a Research Project: Different components of a research project	5	15	Chalk and talk
	Literature review- Methodology	4		
	Results/data	3		
	Conclusions-Bibliography- Appendices.	6		
III	The Gamma distribution	6	17	Chalk and talk
	The Chi-Square distribution	6		
	The normal distribution	6		
IV	Sampling Theory: Transformation of variables	6	15	Chalk and talk
	t distribution	6		
	F distributions	6		
V	Random variables: The MGF technique	6	18	Chalk and talk
	Distributions of \bar{X} and $\frac{ns^2}{\sigma^2}$ - Expectations of functions of random variables	6		
	The Central Limit Theorem	6		

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Date:


Principal

 
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SRI SARADA COLLEGE FOR WOMEN (Autonomous)
TIRUNELVELI 627011
COURSE TEACHING/LECTURE/EXAM PLAN

Department	Name of the faculty/s for the course	Academic year	Class
Mathematics	Dr. K. Ramalakshmi	2023 – 2024	II M.Sc. Mathematics
Semester	Course code	Course title	
III	22PMAC33	Field Theory and Lattices	

Title of the book (Text/Reference)	Author/s	Edition & Publisher
Topics in Algebra	I. N. Herstein	2005(2) & Wiley Eastern Limited
Lectures in Abstract Algebra	Nathan Jacobson	1964(1) & D. Van Nostrand company.

Unit No	Topics	No. of hours	Proposed days/date	Remarks- Faculty/ Teaching aids
I	Basic Definitions and results in Rings and Fields	3	15	
	Extension Fields: Definition, Examples and Theorems	5		
	Minimal and Monic Polynomials	4		
	Algebraic over a field definition, results and theorems	4		
	Example problems and results	2		
II	Roots of Polynomials: Definition and Theorems	3	15	
	Splitting Field: Definition and Theorems	4		
	Isomorphism in Fields: Results and Theorems	4		
	Characteristic of a field: Results and Theorems	4		
	Simple Extension, Normal Extension, Separable Extension and Perfect Field: Definitions and Results	3		
III	Automorphism of a field: Definition and Theorems	4	15	
	Group of automorphisms of a field	4		
	Field of rational functions: Definition & Theorems	4		
	Galois Theory: Results and Theorem	4		
	Examples and Results	2		
IV	Partially ordered set: Definition, Examples and Results	3	15	
	Lattices: Definition, Examples and Results	4		
	Complete Lattice: Definition and Theorems	4		
	Sublattice: Definition, Examples and Results	4		
	Isomorphism, Modular Lattice and Projective intervals	3		
V	Refinement: Definition and Results	3	15	
	Lattice of finite length: Definition and Results	4		
	Independent or Joint: Definition and Results	3		
	Complement Lattice: Definition and Results	4		
	Boolean algebra: Definition and Results	4		

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Date:

Ramalakshmi
Principal

A. Mahalingam
HoD

K. RAMALAKSHMI
Course Teacher

SRI SARADA COLLEGE FOR WOMEN (Autonomous)
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COURSE TEACHING/LECTURE/EXAM PLAN

Department	Name of the faculty/s for the course	Academic year	Class
Mathematics	T. Lingeswari & Dr.S. Ulagamma	2023-2024	II M.Sc., Mathematics
Semester	Course code	Course title	
V(Odd)	PMAE32	Calculus of Variations and Integral equations	

Title of the book (Text/Reference)	Author/s	Edition & Publisher
Methods of Applied Mathematics	Francis B. Hildebrand	1952(1), Prentice Hall of India, New Delhi.
Differential Equations with Applications and Historical Notes	George F. Simmons	1992 (4), Tata McGraw-Hill edition
Calculus of Variations with Applications	A. S. Gupta	2006(6), Prentice Hall of India, New Delhi.

Unit No	Topics	No. of hours	Proposed days/date	Remarks- Faculty/ Teaching aids
I	Calculus of variation and Application	4	8	
	Maxima and Minima	4		
	The Simplest case and Illustrative example	4		
II	The Variational notations	3	6	
	The more general case constraints and Lagrange multiplier	3		
	Variable end points	3		
	Exercise problem solving	3		
III	Integral equation introduction	3	8	
	Relation between Integral equation and differential equations	3		
	Exercise problem solving	3		
IV	Linear equation curve and effect	3	8	
	The influencing function	3		
	Fredholm equation with separable kernel	3		
	Illustrative example and Exercise problem	2		
	Class test	1		
V	Hilbert Schmidt theory	3	10	
	Iterative methods for problem solving	3		
	Second kind equations	3		
	Exercise problem solving	2		
	Class test and revision	1		

Date of CIAs: As per college calendar/need based amendments.

Date:
Teacher

Kamale
Principal

A. M. ...
HoD

T. LINGESWARI
Course

SRI SARADA COLLEGE FOR WOMEN (Autonomous)
TIRUNELVELI 627011
COURSE TEACHING/LECTURE/EXAM PLAN

Department	Name of the faculty/s for the course	Academic year	Class
Mathematics	M.Dhivya,T.Lingkeshwari	2023 -2024	II B.Com/II B.Com(CS)
Semester	Course code	Course title	
III	22UCMC32\22UCCC32	Business Mathematics	

Title of the book (Text/Reference)	Author/s	Edition & Publisher
Business Mathematics(Text)	D.S Sancheti	1 st edition,2016, Sultan Chand & co., New
Business Mathematics(Text)	S.P. Rajagopalan	2 nd edition, 2014, Vijay Nichole Imprints(P) Ltd, Chandigar.
Business Mathematics (Reference)	Mangaldoss.A.Joseph, Henry	1 st edition, 2000, Perci Publication,
Business Mathematics (Reference)	V.S.Soundra Pandian	1 st edition, 2002, Soundar Publication
Business Mathematics (Reference)	Manoharan M., C.Ilango	2 nd edition, 2002, Palani Paramount Publications, Palani.

Unit No	Topics	No. of hours	Proposed days/date	Remarks-Faculty/ Teaching aids
I	Equations- Linear equations	1	11	Chalk and Talk
	Quadratic equations	2		
	Solutions of simultaneous linear equations with two or three unknowns	2		
	Solutions of quadratic equations	2		
	Nature of the roots	2		
	Forming quadratic equation	2		
II	Indices and Logarithms basic definition	1	15	Chalk and Talk
	Positive indices	1		
	Law of indices	1		
	Negative indices	1		
	Zero and unity indices	1		
	Fractional indices	2		
	Logarithms definition	2		
	Properties of logarithms	2		
	Laws of logarithms	2		
	Common logarithm	2		
III	Analytical Geometry- Distance between two points in a plane	1	13	Chalk and Talk
	Slope of a straight line	2		
	Equation of Straight line	2		
	Point of intersection of two lines	2		
	Applications	2		
	Demand and supply	2		
	Cost output – Break	2		
IV	Matrices Types	1	13	Chalk and Talk
	Algebra of matrices	2		
	Addition and Subtraction	1		
	Scalar Multiplication	1		
	Multiplication of Matrices	1		
	Transpose of a matrix	1		
	Determinant	2		

	Minor and co-factors	2		
	Inverse of a matrix	2		
V	Simple Interest	2	6	Chalk and Talk
	Compound Interest	2		
	Deprecisions	2		

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Date:

A. Amale

Principal

for *A. Amale*
HoD

M. Dharma
Course Teacher

SRI SARADA COLLEGE FOR WOMEN (Autonomous)
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COURSE TEACHING/LECTURE/EXAM PLAN

Department	Name of the faculty/s for the course	Academic year	Class
Mathematics	M.Dhivya, T.Lingkeshwari	2023-2024	I MCA Mathematics
Semester	Course code	Course title	
I	23PCAC11	Discrete Mathematics	

Title of the book (Text/Reference)	Author/s	Edition & Publisher
Discrete Mathematics	N.Chandrasekaran and M.Umaparvathi	PHI Learning Private Limited
Discrete Mathematics & Discrete Models	Kimmo Eriksson &Hillevi Gavel	Studentlitteratur AB
Discrete Mathematics and applications	Kenneth H. Rosen	Mc Graw Hill

Unit No	Topics	No. of hours	Proposed days/date	Remarks-Faculty/ Teaching aids
I	.Binary relations-Operations on relations- properties of binary relations in a set – Equivalence relations	2	8	Chalk and Talk
	binary relations in a set – Equivalence relations— Representation of a relation by a matrix -Representation of a relation by a digraph – Functions	2		
	Definition and examples-Classification of functions- Composition of functions-Inverse function	2		
II	Mathematical Logic-Logical connectives-Well formed formulas	1	8	Chalk and Talk
	Truth table of well formed formula –Algebra of proposition –Quine's method- Normal forms of well formed formulas- Disjunctive normal form	1		
	Principal Disjunctive normal form-Conjunctive normal form-Principal conjunctive normal form-	2		
	Rules of Inference for propositional calculus – Quantifiers- Universal Quantifiers- Existential Quantifiers	2		
III	Recurrence Relations- Formulation -solving recurrence Relation by Iteration- solving Recurrence Relations	2	8	Chalk and Talk
	Solving Linear Homogeneous Recurrence Relations of Order Two- Solving Linear Non homogeneous Recurrence Relations. Permutations-	2		
	Cyclic permutation- Permutations with repetitions- permutations of sets with indistinguishable objects- Combinations- Combinations with repetition	2		
Unit No	Topics	No. of hours	Proposed days/date	Remarks-Faculty/ Teaching aids
IV	Matrices- special types of matrices-Determinants-I	1	8	Chalk and Talk
	Inverse of a square matrix-Cramer's rule for solving linear equations	1		
	Elementary operations-Rank of a matrix-solving a system of linear equations	2		
	characteristic roots and characteristic vectors-Cayley-	2		

	Hamilton Theorem-problems			
V	Graphs -Connected Graphs -Euler Graphs- Euler line- Hamiltonian circuits and paths -planar graphs	3	8	Chalk and Talk
	Complete graph-Bipartite graph-Hyper cube graph-Matrix representation of graphs	3		

Date of CIAs: As per college calendar/need based amendments.

Date:

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Principal

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M Dlinga
Course Teacher

SRI SARADA COLLEGE FOR WOMEN (Autonomous)
TIRUNELVELI 627011
COURSE TEACHING/LECTURE/EXAM PLAN

Department	Name of the faculty/s for the course	Academic year	Class
Physics	M. Uma Maheswari	2023-2024	I B.A, B.Com, B.Com CS
Semester	Course code	Course title	
I	23UNPH11	PHYSICS FOR EVERYDAY LIFE	

Title of the book (Text/Reference)	Author/s	Edition & Publisher
1. The Physics in our Daily Lives	Umme Ammara,	Gugucool Publishing, Hyderabad, 2019
2. For the love of physics,	Walter Lawin	Free Press, New York, 2011.

Unit No	Topics	No. of hours	Proposed days/date	Remarks- Faculty/ Teaching aids
I	MECHANICAL OBJECTS Spring scales – bouncing balls –roller coasters	3	6	Black board & PPT
	bicycles –rockets and space travel	3		
II	OPTICAL INSTRUMENTS AND LASER Vision corrective lenses – polaroid glasses – UV protective glass	3	6	Black board & PPT
	Polaroid camera – colour photography – holography and laser	3		
III	PHYSICS OF HOME APPLIANCES Bulb – fan – hair drier – television	3	6	Black board & PPT
	Air conditioners – microwave ovens – vacuum cleaners	3		
IV	SOLAR ENERGY: Solar constant – General applications of solar energy – Solar water heaters	3	6	Black board & PPT
	Solar Photo – voltaic cells – General applications of solar cells.	3		
V	INDIAN PHYSICIST AND THEIR CONTRIBUTIONS: C.V.Raman, HomiJehangirBhabha, Vikram Sarabhai, Subrahmanyam Chandrasekhar	3	6	Black board & PPT
	Venkatraman Ramakrishnan, Dr. APJ Abdul Kalam and their contribution to science and technology	3		

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Date:

Kamale
Principal

P. Nagaraj
HoD

M. C. J.
Course Teacher

SRI SARADA COLLEGE FOR WOMEN (Autonomous)
TIRUNELVELI 627011
COURSE TEACHING/LECTURE/EXAM PLAN

Department	Name of the faculty/s for the course	Academic year	Class
Physics	M. Uma Maheswari	2023-2024	I B.Sc.Physics
Semester	Course code	Course title	
I	23UPHFC1	Introductory Physics	

Title of the book (Text/Reference)	Author/s	Edition & Publisher
1. Elements of Properties of Matter	Mathur D S	S Chand & Co Pvt Ltd, 2010
2. Properties of Matter,	Brijlal & N. Subrahmanyam	S.Chand & Co. , 2003,
Fundamental of General Properties of Matter,	H.R. Gulati	S.Chand & Co. , 1977, Fifth edition,

Unit No	Topics	No. of hours	Proposed days/date	Remarks-Faculty/ Teaching aids
I	Vectors, scalars –examples for scalars and vectors from physical quantities	4	12	Black board & PPT
	Addition, subtraction of vectors	4		
	Resolution and resultant of vectors – units and dimensions– standard physics constants	4		
II	Different types of forces–gravitational, electrostatic, magnetic, electromagnetic, nuclear	6	12	Black board & PPT
	Mechanical forces like, centripetal, centrifugal, friction, tension, cohesive, adhesive forces	6		
III	Different forms of energy– conservation laws of momentum, energy	6	12	Black board & PPT
	Types of collisions –angular momentum– alternate energy sources–real life examples	6		
IV	Types of motion– linear, projectile, circular, angular, simple harmonic motions	4	12	Black board & PPT
	Satellite motion – banking of a curved roads – stream line and turbulent motions – wave motion	4		
	Comparison of light and sound waves – free, forced, damped oscillations	4		
V	Surface tension – shape of liquid drop – angle of contact – viscosity –lubricants – capillary flow – diffusion – real life examples	6	12	Black board & PPT
	Properties and types of materials in daily use–conductors, insulators – thermal and electric	6		

Date of CIAs: As per college calendar/need based amendments.

Date:


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HoD Course Teacher

III	FLUID DYNAMICS: Surface tension: definition – molecular forces– excess pressure over curved surface – application to spherical and cylindrical drops and bubbles	3	12	Chalk&Talk
	Determination of surface tension by Jaegar's method–variation of surface tension with temperature	3		Chalk&Talk
	Viscosity:definition – streamline and turbulent flow – rate of flow of liquid in a capillary tube – Poiseuille's formula –corrections	3		Chalk&Talk
	Terminal velocity and Stoke's formula– variation of viscosity with temperature	3		Chalk&Talk
IV	WAVES AND OSCILLATIONS: Simple Harmonic Motion (SHM) – differential equation of SHM – graphical representation of SHM – composition of two SHM in a straight line and at right angles	4	12	Black board & PPT
	Lissajous's figures- free, damped, forced vibrations –resonance and Sharpness of resonance.	4		Black board & PPT
	Laws of transverse vibration in strings – sonometer – determination of AC frequency using sonometer –determination of frequency using Melde's string apparatus	4		Black board & PPT
V	ACOUSTICS OF BUILDINGS AND ULTRASONICS: Intensity of sound – decibel – loudness of sound –reverberation	3	12	Black board & PPT
	Sabine's reverberation formula – acoustic intensity	3		Chalk&Talk
	factors affecting the acoustics of buildings.	3		Black board & PPT
	Ultrasonic waves: production of ultrasonic waves – Piezoelectric crystal method –magnetostriction effect – application of ultrasonic waves	3		Black board & PPT

Date of CIAs: As per college calendar/need based amendments.

Date:

Ramale
Principal

S. Magesh Babu
HoD

P. S. Srinivasan
Course Teacher

SRI SARADA COLLEGE FOR WOMEN (Autonomous)
TIRUNELVELI 627011
COURSE TEACHING/LECTURE/EXAM PLAN

Department	Name of the faculty/s for the course	Academic year	Class
Physics	Dr. S. Bagavathi Dr. S.Muthurani	2023 – 2024	I B.Sc. Maths
Semester	Course code	Course title	
III	23UPHC31	Allied Physics-I	

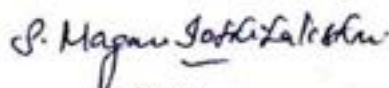
Title of the book (Text/Reference)	Author/s	Edition & Publisher
AlliedPhysics	R.Murugesan	,S. Chand and Co,NewDelhi. (2001)
Waves and Oscillations,	Brijlal and N.Subramaniam	VikasPublishing House,NewDelhi. (1994)
Properties of Matter	BrijlalandN.Subramaniam	.Chand and Co.,NewDelhi, (1994)
Applied Electronics	A.Subramaniyam	2 nd Edn.,NationalPublishingCo.,Chennai

Unit No	Topics	No. of hours	Proposed days/date	Remarks- Faculty/ Teaching aids
I	WAVES, OSCILLATIONS AND ULTRASONICS: Simple harmonic motion (SHM) – composition of two SHMs at right angles (periods in the ratio 1:1) – Lissajous figures – uses	3	12	Chalk & Talk & PPT
	laws of transverse vibrations of strings – determination of AC frequency using sonometer (steel and brass wires)	3		
	— ultrasound – production – piezoelectric method – application of ultrasonics: medical field – lithotripsy, ultrasonography –	3		
	ultrasonoimaging- ultrasonics in dentistry – physiotherapy, ophthalmology – advantages of noninvasive surgery – ultrasonics in green chemistry.	3		
II	PROPERTIES OF MATTER: <i>Elasticity:</i> elastic constants – bending of beam – theory of non- uniform bending – determination of Young's modulus by non-uniform bending – energy stored in a stretched wire – torsion of a wire – determination of rigidity modulus by torsional pendulum .	4	12	Chalk & Talk & PPT
	<i>Viscosity:</i> streamline and turbulent motion – critical velocity – coefficient of viscosity – Poiseuille's formula – comparison of viscosities – burette method	4		

	<i>Surface tension</i> : definition – molecular theory – droplets formation–shape, size and lifetime – COVID transmission through droplets, saliva – drop weight method – interfacial surface tension	4		
III	HEAT AND THERMODYNAMICS: Joule-Kelvin effect – Joule-Thomson porous plug experiment – theory – temperature of inversion – liquefaction of Oxygen– Linde’s process of	4	12	Chalk & Talk & PPT
	liquefaction of air– liquid Oxygen for medical purpose– importance of cryocoolers– thermodynamic system – thermodynamic equilibrium	4		
	laws of thermodynamics – heat engine – Carnot’s cycle – efficiency – entropy – change of entropy in reversible and irreversible process.	4		
IV	ELECTRICITY AND MAGNETISM: Potentiometer – principle – measurement of thermo emf using potentiometer –magnetic field due to a current carrying conductor	4	12	Chalk & Talk & PPT
	Biot-Savart’s law – field along the axis of the coil carrying current – peak, average and RMS values of ac current and voltage	4		
	power factor and current values in an AC circuit – types of switches in household and factories– Smart wifi switches- fuses and circuit breakers in houses	4		
V	DIGITAL ELECTRONICS AND DIGITAL INDIA: Logic gates, OR, AND, NOT, NAND, NOR , EXOR logic gates – universal building blocks – Boolean algebra	4	12	Chalk & Talk & PPT
	De Morgan’s theorem – verification – overview of Government initiatives: software technological parks under MeitY	4		
	NIELIT- semiconductor laboratories under Dept. of Space – an introduction to Digital India	4		

Date of CIAs: As per college calendar/need based amendments.


Principal


HoD


Course Teacher

SRI SARADA COLLEGE FOR WOMEN (Autonomous)
TIRUNELVELI 627011
COURSE TEACHING/LECTURE/EXAM PLAN

Department	Name of the faculty/s for the course	Academic year	Class
Physics	Dr.P.Gomathy Dr.S.Bagavathi	2023-2024	II B.Sc. Physics
Semester	Course code	Course title	
III	22UPHS31	Maintenance of Electrical and Electronic Equipments	

Title of the book (Text/Reference)	Author/s	Edition & Publisher
Basic Electronics	R. Murugesan	2010 (2) & S Chand & Co
Text book-A course in Electrical & Electronics Measurement and Instrumentation	A K.Sawhney, PuneetSawhney	2004 (1) & Dhanpat Rai Publications

Unit No	Topics	No. of hours	Proposed days/date	Remarks-Faculty/ Teaching aids
I	Electrical components Study of electronic components - resistors - types - characteristics - materials used for resistors	3	12	Chalk & Talk PPT
	Maximum power rating, tolerance - temperature co-efficient - colour coding - wattage rating-potential divider arrangement	3		Demonstration
	Classification of capacitors, materials used for capacitors, capacitors specification:- capacitor working voltage,	3		Chalk & Talk PPT
	General specification Capacitors- fixed capacitor-capacitive reactance - Groove board, breadboard and printed circuit board	3		Chalk & Talk PPT
II	Measuring instruments Basics of Measurements: Accuracy, Precision, resolution, reliability, repeatability, validity, Errors and their analysis, Standards of measurement.	3	12	Chalk & Talk PPT
	Bridge Measurement: DC bridges- wheat stone bridge	3		Chalk & Talk
	AC bridges - Kelvin, Hay, Maxwell, Schering and Wien bridges, Wagner ground Connection. Electronic Instruments for Measuring Basic Parameters	3		Chalk & Talk
	Amplified DC meter, AC Voltmeter, True- RMS responding Voltmeter, Electronic multi-meter, Digital voltmeter, Vector Voltmeter.	3		Chalk & Talk Demonstration

III	Transducers Classification of transducers-basic requirements/characteristics of Transducer	3	12	Chalk & Talk PPT
	Classifications of transducers-primary & secondary, active & passive, analog and digital transducers	3		Chalk & Talk PPT
	Resistive (Potentiometer - Theory - temperature compensation & applications)	3		Chalk & Talk
	Capacitive (variable air gap type) - Inductive (LVDT) & piezoelectric transducers	3		Chalk & Talk
IV	Communication devices Basic concepts of radio transmitter and receiver - Different types of modulation -	2	12	Chalk & Talk PPT
	TV antennas-resonance antennas and their characteristics - Dipole antenna - Folded dipole - Yagi antenna - Yagi antenna design	4		Chalk & Talk
	Video CD player - Dish antenna - DTH system - Mobile communication system - MODEM.	3		Chalk & Talk PPT
	Telephone systems-cellular Telephone systems-FAX- mobile phone-principle of operation-integrated services-digital networks (ISDN)	3		Chalk & Talk PPT
V	Display methods and recorders Display methods and devices - different types of recorders - galvanometric recorders - pen driving system	3	12	Chalk & Talk PPT
	Magnetic recorders - Magnetic disk and tape	3		Chalk & Talk PPT
	Recorders - digital recorders- digital plotters and printers, CRT display, digital CRO.	3		Chalk & Talk PPT
	LED, LCD & dot matrix display- digital storage oscilloscope-Data Loggers.	3		Chalk & Talk PPT

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Date:


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SRI SARADA COLLEGE FOR WOMEN (Autonomous)
TIRUNELVELI 627011
COURSE TEACHING/LECTURE/EXAM PLAN

Department	Name of the faculty/s for the course	Academic year	Class
Physics	Dr.P.Gomathy	2023-2024	II UG (B.A English, BBA & B.Com)
Semester	Course code	Course title	
III	22UNPH3B	Applied Physics (NME)	

Title of the book (Text/Reference)	Author/s	Edition & Publisher
Non-Conventional energy sources	G.D Rai	Khanna, Delhi 2004 (3)
Solar energy	MP Agarwal	S.Chand & Co 1983
Solar energy	P Suhas	Tata Mc Graw, Hill 2010 (3)

Unit No	Topics	No. of hours	Proposed days/date	Remarks-Faculty/ Teaching aids
I	Conventional Energy Sources Conventional energy sources- World's reserve of conventional energy sources- various forms of energy	3	6	Black board & PPT
	Renewable and conventional energy systems-comparison.	3		Black board & PPT
II	Fossil Fuels Fossil fuels- coal, oil and natural gas- availability	3	6	Black board & PPT
	Statistical details- applications-merits and demerits	3		Black board & PPT
III	Biomass Energy Biomass energy-classification- conversion process- biogas plants	3	6	Black board & PPT
	Deena bandhu model gas plant- wood gasification- advantages and disadvantages of biomass	3		Black board & PPT
IV	Renewable Energy Sources Renewable energy sources- solar energy-importance- storage of solar energy- solar pond	3	6	Black board & PPT
	Solar water heater- solar crop dryers- solar cookers- solar green house- solar cell	3		Black board & PPT
V	Geothermal Energy Geothermal energy- power plant- wind energy and wind farms- wind mills- types	3	6	Black board & PPT
	Ocean thermal energy conversion- energy from tides-energy from waves	3		Black board & PPT

Date of CIAs: As per college calendar/need based amendments.

Date:

Ramadevi
Principal

P. Magaraj
HoD

P. S. S. S.
Course Teacher

SRI SARADA COLLEGE FOR WOMEN (Autonomous)

TIRUNELVELI 627011

COURSE TEACHING/LECTURE/EXAM PLAN

Department	Name of the faculty/s for the course	Academic year	Class
Physics	1. Dr. S. Bagavathi 2. Selvi. K. Niranjana Devi	2023-2024	II B.Sc.
Semester	Course code	Course title	
III	22UPHC31	Electricity	

Title of the book (Text/Reference)	Author/s	Edition & Publisher
Electricity and Magnetism	R. Murugesan	S. Chand and Company Ltd, 2015 (8)
Electricity and Magnetism	D.C. Tayal	Himalaya Publishing House 2017 (4)
Electricity and Magnetism	D.N.Vasudeva	S Chand , 2000 (12 revised)
Fundamentals of Physics	D Halliday, R Resnick and J Walker	Wiley 2001 (6)

Unit No	Topics	No. of hours	Proposed days/date	Remarks- Faculty/ Teaching aids
I	Electric field and potential Introduction-electric charge- coulomb's law- electric field- lines of force- electric flux-Gauss's law-applications	4	12	Chalk & Talk & PPT
	Coulomb's law from Gauss's law- electric field at a point due to point charge- line charge- spherically symmetric charge distribution-sheet of charge. -electric potential	4		
	Relation connecting electric field and potential- equipotential lines and surfaces -potential at a point due to point charge- collection of charges- dipole and charged spherical shell- electric potential energy	4		
II	Thermo electricity Seebeck effect- laws of thermo e.m.f- measurement of thermo e.m.f using potentiometer Peltier effect- Peltier coefficient-demonstration	4	12	Chalk & Talk & PPT
	Thomson effect- Thomson coefficient- demonstration - thermodynamics of thermo couple	4		
	Thermo electric power diagram -uses- applications- Application of thermodynamics to a thermocouple and expressions for Peltier and Thomson coefficients Thermoelectric diagram	4		

	and uses			
III	Chemical effect of electric current Introduction - Electrical conductivity of an electrolyte- Faradays laws of electrolysis- electrical conductivity of an electrolyte-specific conductivity	4	12	Chalk & Talk & PPT
	Kohlrausch's bridge method of determining the specific conductivity of an electrolyte -Arrhenius theory of electrolytic dissociation	4		
	Mobility of ions- Secondary cells- Gibbs - Helmholtz equation for a reversible cell-calculation of e.m.f of a Daniel Cell.	4		
IV	Steady current and transient current Current and current density-ohm's law in vector form- conversion of galvanometer into voltmeter and ammeter- kirchoff's law-application to wheat stone's network	4	12	Chalk & Talk & PPT
	Growth and decay of current in a circuit containing L and R with D.C.voltages - growth and decay of charge in a capacitance, resistance circuit- Growth and decay of current in a circuit containing resistance and inductance	4		
	Growth and decay of charge in a circuit containing resistance and capacitor-determination of high resistance by leakage-growth and decay of charge in LCR circuit - conditions for the discharge to be oscillatory - frequency of oscillations.	4		
V	Alternating current Alternating Current- j operator method -use of j operator -Resistance -Inductance	4	12	Block Board & Screen Shared
	Capacitance - AC through an inductance and resistance in series- capacitance and resistance in series	4		
	LCR series resonance circuit -sharpness of resonance-parallel resonance circuit - power - power factor.	4		

Date of CIAs: As per college calendar/need based amendments.

Date:

Ramale

Principal

S. Magan

HoD

Aravind

Course Teacher

SRI SARADA COLLEGE FOR WOMEN (Autonomous)
TIRUNELVELI 627011
COURSE TEACHING/LECTURE/EXAM PLAN

Department	Name of the faculty/s for the course	Academic year	Class
Physics	Dr.P.Gomathy	2023-2024	III B.Sc. Physics
Semester	Course code	Course title	
V	19UCPD51	Personality Development	

Title of the book (Text/Reference)	Author/s	Edition & Publisher
Personality Development,	Dr.S. NarayanaRajan, Dr. B. Rajasekaran, G. Venkadasalaphi, V. VijureshNayaham and Herald M.Dhas	Publication Division, Manonmaniam Sundaranar University, Tirunelveli
From Campus to Corporate	Dr.K.K. Ramachandran and Dr.K.K. Karthick	Macmillan Publishers India Limited, New Delhi
Personality Development	Swami Vivekananda	Advaita Ashrama, Publication branch of Sri Ramakrishna Math, Belur Math

Unit No	Topics	No. of hours	Proposed days/date	Remarks- Faculty/ Teaching aids
I	PERSONALITY Definition - Determinants - Personality Traits - Theories of Personality - Importance of Personality Development.	3	12	Black Board & PPT
	SELF AWARENESS - Meaning - Benefits of Self - Awareness - Developing Self - Awareness.	3		Black Board & PPT
	SWOT - Meaning - Importance- Application.	3		Black Board & PPT
	GOAL SETTING Meaning- Importance - Effective goal setting - Principles of goal setting - Goal setting at the Right level	3		Black Board & PPT
II	SELF MONITORING Meaning - High self - monitor versus low self-monitor - Advantages and Disadvantages self-monitor- Self -monitoring and job performance.	3	12	Black Board & PPT
	PERCEPTION - Definition- Factor influencing perception- Perception process -Errors in perception - Avoiding perceptual errors.	3		Black Board & PPT
	ATTITUDE - Meaning- Formation of attitude - Types of attitude - Measurement of Attitudes - Barriers to attitude change - Methods to attitude change.	3		Black Board & PPT
	ASSERTIVENESS - Meaning - Assertiveness in Communication - Assertiveness Techniques - Benefits of being Assertive - Improving Assertiveness. social grace at work-table manners-	3		Black Board & PPT

	dress code-group discussion -interview.			
III	TEAM BUILDING Meaning - Types of teams - Importance of Team building- Creating Effective Team..	3	12	Black Board & PPT
	LEADERSHIP - Definition - Leadership style- Theories of leadership - Qualities of an Effect leader.	3		Black Board & PPT
	NEGOTIATION SKILLS - Meaning - Principles of Negotiation - Types of Negotiation - The Negotiation Process - Common mistakes in Negotiation process.	3		Black Board & PPT
	CONFLICT MANAGEMENT - Definition-Types of Conflict- Levels of Conflict - Conflict Resolution - Conflict management	3		Black Board & PPT
IV	Communication Definition - importance- process-network - barriers - overcoming communication barriers.	3	12	Black Board & PPT
	TRANSACTIONAL ANALYSIS -meaning - ego states - types of transactions - johari window - life positions.	3		Black Board & PPT
	EMOTIONAL INTELLIGENCE - meaning - components of emotional intelligence - significance of managing emotional intelligence - how to develop emotional quotient.	3		Black Board & PPT
	STRESS MANAGEMENT - meaning - sources of stress- symptoms of stress - consequences of stress - managing stress.	3		Black Board & PPT
V	Swami Vivekananda on Personality Development. Laws of personality development - different layers of personality - purity, patience and perseverance - unselfishness - be brave - faith - ethics - the power of concentration- inspire liberation from inertia - sense of equality.	3	12	Black Board & PPT
	Top five dimensions of personality development are: 1. Physical self 2. Energy self 3. Intellectual self 4. Mental self 5. Blissful self.	3		Black Board & PPT
	Faith, dutifulness, compassion, good thoughts, character, non-attachment, helping nature, fearlessness, love, wisdom, spirituality, responsibility	3		Black Board & PPT
	Truth, strength within, the company of the good etc. are some traits recommended by Vivekananda for personality development. Self-help is the foundation that makes the building of personality development.	3		Black Board & PPT

Date of CIAs: As per college calendar/need based amendments.

Date:

Kamala
Principal

S. Maryam Fatima Jaleel
HoD

Rattan
Course Teacher

**SRI SARADA COLLEGE FOR WOMEN (Autonomous)
TIRUNELVELI 627011
COURSE TEACHING/LECTURE/EXAM PLAN**

Department	Name of the faculty/s for the course	Academic year	Class
Physics	1. Dr. P. Gomathy 2. M. Uma Maheswari	2023-2024	III B.Sc.
Semester	Course code	Course title	
V	22UPHCEP51	Physics for Competitive Examination and Project	

Title of the book (Text/Reference)	Author/s	Edition & Publisher
Objective Physics	Dr. S. L. Kakanl.	Sultan Chand & Sons, New Delhi

Unit No	Topics	No. of hours	Proposed days/date	Remarks- Faculty/ Teaching aids
I	Units of physical quantities and their dimensions – Particle dynamics, projectiles, conservation laws and collision two bodies	6	18	Chalk & Black Board
	Circular motion, Rotating frame of reference, Conical and Foucault's pendulum – Rotational motion, centre of mass, moment of inertia	6		
	Simple Harmonic motion and Harmonic oscillator – Gravitation, Escape velocity & Artificial satellites – Mechanics of fluids: Surface tension & Viscosity Elasticity.	6		
II	Inter molecular forces, Kinetic theory of gases and behaviour of real gases	6	18	Chalk & Black Board
	Laws of thermodynamics – Conduction & Radiation – Nature of light – Interference	6		
	Diffraction, Resolving power & Polarization – Geometrical optics and Aids to vision – Superposition of waves – Doppler's effect.	6		
III	Magnetic properties of matter – Electrostatics – Electric potential – Capacity and Capacitors	6	18	Chalk & Black Board
	Kirchhoff's Laws and steady current – Magnetic effect of current – Potentiometer & Thermoelectricity	6		
	Electromagnetic induction – Heating & Chemical effects of current – Alternation current.	6		
IV	Atomic structure and positive rays	6	18	Chalk & Black Board
	X rays and photoelectric effect	6		
	Matter waves, uncertainty principle, Wave mechanics and special theory of relativity.	6		
V	Radioactivity and Atomic Nucleus Electronics and semiconductors	6	18	Chalk & Black Board
	Solids – Universe	6		
	Digital Integrated Circuits.	6		

Date of CIAs: As per college calendar/need based amendments.

Date:

Hanale
Principal

S. Magan
HoD

P. Anand
Course Teacher

SRI SARADA COLLEGE FOR WOMEN (Autonomous)
TIRUNELVELI 627011

COURSE TEACHING/LECTURE/EXAM PLAN

Department	Name of the faculty for the course	Academic year	Class
Chemistry	Dr. S. Muthurani M.Uma Maheswari	2023-2024	B.Sc. - II year
Semester	Course code	Course title	
III	22UPHA31	Allied Physics - I (for chemistry Students)	

Title of the book (Text/Reference)	Author/s	Edition & Publisher
Allied Physics-II	Dr. T. Balu, Dr. P.Selvarajan, r. R. Sreedevi, Dr. I. Sehar, rs. G. Vasuki	Nov 2019, S. Chand & Co
Fundamentals of Optics	Jenkins A Francis and White E Harvey	1976 (1), Mc G Raw Hill Inc., New Delhi
Heat and Thermodynamic	D. S. Mathur	2001 (4), Sultan Chand & Sons, New Delhi
Text book of Sound	V.R. Khanna and R.S. Bedi,	1998 (1), Kedharnaath Publish & Co, Meerut

Unit No	Topics	No. of hours	Proposed days/date	Remarks- Faculty/ Teaching aids
I	Elasticity and bending moment Hooke's law – Elastic moduli - Relation between elastic constants- Expression for bending moment - uniform bending- non uniform bending.	4	12	Black board
	Experiment to determine Young's modulus using pin and microscope- - Twisting couple of a wire – Expression for couple per unit twist – Work done in twisting	4		
	Experimental determination of rigidity modulus of a wire using Torsion pendulum with theory	4		
II	Surface tension and Viscosity Surface tension – Definition – Examples – Illustrations to the phenomenon of surface tension - Molecular interpretation	4	12	Black board
	Expression for excess of pressure inside a synclastic and anticlastic surface-Application to spherical and cylindrical drops and bubbles. Viscosity: Coefficient of viscosity –	4		
	Newton's law of viscous flow for streamline motion - Rate of flow of liquid in a capillary tube (Poisueuille's formula) – Analogy between liquid flow and current flow.	4		
III	Sound Simple harmonic motion – Free, damped, forced vibrations and resonance –	4	12	Black board
	Composition of two SHMs along a straight line and in perpendicular direction – Melde's string experiment –	4		
	Determination of frequency of tuning fork (both longitudinal and transverse mode) – Sabin's formula and derivation.	4		

IV	Thermal physics Zeroth law I and II law of thermodynamics, Mean free path- Expression for mean free path (Zero order approximation) - Transport phenomena -	4	12	Black board
	Expression for viscosity and thermal conductivity - Conduction in solids - coefficient of thermal conductivity - Lee's disc method to determine thermal conductivity of a bad conductor -	4		
	Wiedmann-Franz's law - Convection : Newton 's law of cooling - Experimental verification - Radiation : Black body radiation - Distribution of energy in black body spectrum	4		
V	Optics Interference: Condition for interference-Air wedge- determination of thickness of a thin wire by air wedge.	4	12	Black board
	Diffraction: Fresnel & Fraunhofer diffraction-Plane diffraction grating- theory and experiment to determine wavelength (normal incidence).	4		
	Polarization: Double refraction- half wave and quarter wave plate- Production and detection of plane, elliptically and circularly polarized light.	4		

Date of CIAs: As per college calendar/need based amendments.

Date:

A. Ramale
Principal

S. Magan Jothi keli
HoD

M. (Suresh)
Course Teacher

SRI SARADA COLLEGE FOR WOMEN (Autonomous)

TIRUNELVELI 627011

COURSE TEACHING/LECTURE/EXAM PLAN

Department	Name of the faculty/s for the course	Academic year	Class
Physics	I. Dr.S Muthurani	2023-2024	III B Sc.
Semester	Course code	Course title	
V	22UPHC51	Analog Electronics	

Title of the book (Text/Reference)	Author/s	Edition & Publisher
Principles of Electronics	V.K.Mehta& Rohit Mehta	11 & S Chand & Co Ltd, New Delhi
Electronic fundamentals and Applications	Chhtrapadhyay P.C.Rahshit	12 & New age International Publishing
Electronic principles	Albert Malvino, David J Bates	7 & MC Graw hill education
Electronic devices and Circuits	David Bell	2 & Prentice Hall
Physics of semiconductor Devices	DilipK.Roy	2 & Universities press

Unit No	Topics	No. of hours	Proposed days/date	Remarks- Faculty/ Teaching aids
I	Linear circuit analysis Constant voltage source, constant current source, conversion of voltage source into current source	5	12	Chalk & Black Board
	Maximum power transfer theorem - Thevenin's theorem	3		Chalk & Black Board
	Norton's theorem - hybrid parameters - determination of h parameter - equivalent circuit	4		Chalk & Black Board
II	Semiconductors diodes and devices PN Junction - V - I characteristics of PN Junction - Crystal diode as a rectifier	4	12	Chalk & Black Board
	Zener diode - V - I characteristics of Zener diode. Half wave rectifier, centre tap full wave rectifier - Full wave bridge rectifier	4		Chalk & Black Board
	Comparison of Rectifiers - Filter Circuits - Types (capacitor filter, choke input filter, Π filter) - Zener diode as voltage stabilizer	4		Chalk & Black Board
III	Transistor amplifiers Transistor action - Transistor connections - common emitter - common base -common collector	4	12	Chalk & Black Board
	RC coupled amplifier - transformer coupled amplifier - power amplifier - classification of power amplifiers (Class A, Class B and Class C)	5		Chalk & Black Board
	Push pull amplifier - FET parameters - JFET characteristics	3		Chalk & Black Board

IV	Oscillators and wave shaping circuits Feedback principle and Barkhaus on criterion - Hartley, Colpitt's, and Phase shift oscillators using transistors	4	12	Chalk & Black Board
	Astable - Monostable and Bistable multi vibrators using transistors - Schmitt trigger	4		Chalk & Black Board
	Clipping and clamping circuits - Differentiating circuit - Integrating circuit	4		Chalk & Black Board
V	Operational amplifier Op-Amp - pin diagram- characteristics of ideal Op - Amp - DC and A.C analysis of Op- Amp - Bandwidth of an Op-Amp - Slew rate - Frequency response	4	12	Chalk & Black Board
	Op- Amp with negative feedback - applications - Inverting amplifier - Input and output impedance of Inverting amplifier	4		Chalk & Black Board
	Non inverting amplifier - Voltage follower- Summing amplifier - Adder - Subtractor - Integrator - Differentiator - lowpass, high pass and band pass filters	4		Chalk & Black Board

Date of CIAs: As per college calendar/need based amendments.

Date:

Ramade
Principal

R. Nagaraj
HoD

S. Mathuram
Course Teacher

SRI SARADA COLLEGE FOR WOMEN (Autonomous)

TIRUNELVELI 627011

COURSE TEACHING/LECTURE/EXAM PLAN

Department	Name of the faculty/s for the course	Academic year	Class
Physics	K. NIRANJANA DEVI	2023-2024	III UG
Semester	Course code	Course title	
V	22UPHE51A	Numerical Methods	

Title of the book (Text/Reference)	Author/s	Edition & Publisher
Introductory methods of numerical analysis	S.S. Sastry	2 & Prentice Hall of India, New Delhi
Numerical methods	A. Singaravelu	3 & Meenakshi Agency, Chennai
Numerical method in Science and Engineering	K. Venkataraman	M, PHI - New Delhi
Mechanics and Mathematical Methods	R. Murugesan	S. Chand & Co, New Delhi

Unit No	Topics	No. of hours	Proposed days/date	Remarks- Faculty/ Teaching aids
I	Errors and Root of equations What is numerical analysis-Numbers and their accuracy-errors-measurement of errors-round off error-truncation error	3	9	Black board
	Absolute error-relative error-percentage error-inherent error-accumulated error- general error formula-convergence Root of equations	3		Black board
	Iteration method-Newton-Raphson method-Bisection method	3		Black board
II	Matrix and linear equations Introduction- solution of Algebraic and Transcendental equation-system of linearequations	3	9	Black board
	Gauss Elimination method Gauss Seidal Iteration Method	3		Black board
	Gauss Jordan elimination method- Matrix Inversion method	3		Black board
III	Interpolation and approximation Linear Interpolation- Inverse Interpolation	3	9	Black board
	Lagrange's interpolation -Richardson's Extrapolation	3		Black board
	Aitken's iterated Interpolation	3		Black board
IV	Numerical Differentiation and Integration Numerical Differentiation- Approximation of	3		

	Trapezoidal rule	Simpson's 1/3 and 3/8 rules		
			3	Black board
			3	Black board
V	Differential Equations Introduction-Euler's method- Improved Euler's method		3	Black board
	Backward Euler method-Taylor's series method		3	Black board
	Runge-kutta method - Milne's Predictor corrector Methods		3	Black board
			9	

Date of CIAs: As per college calendar/need based amendments.

Date:

Ramale
Principal

S. Magan
HoD

K. Nisarg
Course Teacher

SRI SARADA COLLEGE FOR WOMEN (Autonomous)

TIRUNELVELI 627011

COURSE TEACHING/LECTURE/EXAM PLAN

Department	Name of the faculty/s for the course	Academic year	Class
Physics	Smt. S. Magara Jothi Lakshmi	2023-2024	III UG
Semester	Course code	Course title	
V	22UPHC53	Atomic Physics	

Title of the book (Text/Reference)	Author/s	Edition & Publisher
Modern Physics	R. Murugesan	S. Chand & Co Ltd, New Delhi
Modern Physics	R. Murugesan and Kiruthiga Sivaprasath	S. Chand & Co Ltd, New Delhi
Atomic and Nuclear Physics	N. Subrahmanyam Brijia	S. Chand & Co Ltd, New Delh
Modern Physics	B.V.N Rao	Wiley Eastern Ltd, New Delhi
Modern Physics	G. Aruldas and P. Rajagopal	-PHI L.

Unit No	Topics	No. of hours	Proposed days/date	Remarks- Faculty/ Teaching aids
I	BAND THEORY OF SOLIDS The free electron theory of metals – expressions for electrical conductivity – thermal conductivity	3	9	Black Board & PPT
	Wiedman-Franz's law-Hall effect-magneto resistance-determination of electronic charge – Millikan's oil drop method	3		
	Electron microscope – Band theory of solids – classification of solids on the basis of band theory.	3		
II	POSITIVE RAYS: Discovery-properties- analysis – Thomson's parabola method	3	9	Black Board & PPT
	Aston's mass spectrograph – Bainbridge's mass spectrograph	3		
	Dempster's mass spectrograph - Dunnington's method of determining e/m.	3		
III	ATOMIC STRUCTURE-I Early atomic spectra-Thomson model-Alpha particle scattering-Rutherford's nuclear model-drawbacks-Bohr atom model Bohr's interpretation of the Hydrogen spectrum	3	9	Black Board & PPT
	Correction for nuclear motion-evidences in favour of Bohr's theory-Ritz combination principle-correspondence principle Sommerfield's relativistic atom model-drawbacks- the vector atom model	3		
	Quantum numbers associated with the vector atom model — the Pauli's exclusion principle – periodic classification of elements	3		
IV	ATOMIC STRUCTURE-II Coupling schemes-L-S Coupling-j-j Coupling-Hund rules-magnetic dipole moment due to orbital motion of the electron-due to spin of the electron Stern and Gerlach experiment-spin-orbit coupling-optical spectra-spectral terms-spectral notation-selection rules-intensity rules-interval rule-fine structure of sodium D line-hyperfine structure	6	9	Black Board & PPT
	Normal Zeeman effect-theory and experiment- quantum mechanical explanation -Larmor's theorem- Anomalous Zeeman effect-Paschen Bach effect-Stark effect.	3		

V	X-Rays: Production of X-rays - properties-absorption of X-rays - X-rays absorption edges- Bragg's law - Bragg's X-ray spectrometer the powder crystal method	3	9	B.Sc. 2 PPI
	Laue's method - Rotating crystal method -X-ray spectra-continuous spectra-characteristic spectra-Moseley's law - importance- width of spectral lines-	3		
	Doppler broadening-collision broadening-X-ray Detectors-scintillation detector-semiconductor detectors	3		

Date of CIAs: As per college calendar/need based amendments.

Date

Ramale
Principal

S. Magare Potkeshik *S. Magare Potkeshik*
HoD Course Teacher

SRI SARADA COLLEGE FOR WOMEN (Autonomous)

TIRUNELVELI 627011

COURSE TEACHING/LECTURE/EXAM PLAN

Department	Name of the faculty/s for the course	Academic year	Class
Physics	I. Dr.N.Boorna Devi	2023-2024	III B Sc. Physics
Semester	Course code	Course title	
V	22UPHC52	Programming in C++	

Title of the book (Text/Reference)	Author/s	Edition & Publisher
Object oriented Programming with C++	E.Balagurusamy	2011 (3) & Tata Mc Graw-Hill publishing Company Ltd. New Delhi
Programming with C++	D.Ravichandran	2012 (5) & Tata Mc Graw-Hill publishing Company Ltd. New Delhi
Object oriented Programming in C++	Robert Lafore	2008 (4) & Macmilan publishing company Ltd.
Fundamentals of Programming with C++	Richardl.Halterman	2019 & Macmilan publishing company Ltd.

Unit No.	Topics	No. of hours	Proposed days/date	Remarks-Faculty/ Teaching aids
I	What is C++? Introduction -tokens- keywords - identifiers and constants - declaration of variables - basic data types - user defined data types	4	12	Black board & PPT
	Derived data types - symbolic constants - operators in C++ - hierarchy of arithmetic operators-scope resolution operator	4		
	Declaring, initializing and modifying variables expressions and their type - special assignment operators - all control structures-structure of simple C++ program.	4		
II	Arrays & functions in C++ Introduction - one dimensional and two dimensional arrays-initialization of arrays- array of strings	4	12	Black board & PPT
	Functions-introduction-function with no arguments and no return values -function with argument and return values - call by reference-return by reference	4		
	Function prototyping - inline functions-local -global and static variables -function overloading-virtual functions - main function-math library function.	4		
III	Classes and objects Introduction - specifying a class - defining member functions- C++ program with class- nesting of member functions	4	12	Black board & PPT
	Private member functions- objects as function arguments-arrays within a class- array of objects-static class members-friend functions	4		
	Constructors - parameterized constructors-multiple constructors - constructors with default arguments - copy constructor.	4		

IV	Operator overloading, inheritance Introduction-defining operator overloading- overloading unary operators-binary operators.	4	12	Black board & PPT
	Inheritance-single inheritance-multiple inheritance- multi level inheritance- Hybrid inheritance - hierarchical inheritance-virtual base class	5		
	Abstract-Class-Pointers-definition-declaration-arithmetic operators.	3		
V	Managing console i/o operations Introduction - C ++ stream - C ++ stream classes - unformatted I/O Operations	4	12	Black board & PPT
	Formatted console I/O operations - working with files - classes for file stream operations	4		
	Opening and closing a file - file pointers and their manipulations.	4		

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Kanale
Principal

P. Nagar
HoD

N. N. N. N.
Course Teacher

SRI SARADA COLLEGE FOR WOMEN (Autonomous)
TIRUNELVELI 627011
COURSE TEACHING/LECTURE/EXAM PLAN

Department	Name of the faculty/s for the course	Academic year	Class
Physics	Dr.S.Bagavathi Dr.N. Booma Devi	2023 - 2024	1 M.Sc.Physics
Semester	Course code	Course title	
I	23PPHC12	Classical Mechanics and Relativity	

Title of the book (Text/Reference)	Author/s	Edition & Publisher
1.Classical Mechanics	H. Goldstein, 2002	3rd Edition, Pearson Edu.
2.Classical Mechanics	J. C. Upadhyaya	Himalaya Publshing. Co.New Delhi.
3. Introduction to Special Theory of Relativity	R. Resnick, 1968	Wiley Eastern, New Delhi
4.Introduction to Classical Mechanics	R. G. Takwala and P.S. Puranik	Tata - McGraw Hill, New Delhi, 1980.
5.Classical Mechanics	N. C. Rana and P.S. Joag	Tata McGraw Hill, 2001

Unit No	Topics	No. of hours	Proposed days/date	Remarks-Faculty/ Teaching aids
I	PRINCIPLES OF CLASSICAL MECHANICS Mechanics of a single particle – mechanics of a system of particles – conservation laws for a system of particles	4	12	Chalk & Talk & PPT
	constraints – holonomic & non-holonomic constraints – generalized coordinates	4		
	configuration space – transformation equations – principle of virtual work.	4		
II	LAGRANGIAN FORMULATION D'Alembert's principle – Lagrangian equations of motion for conservative systems applications:	6	12	Chalk & Talk & PPT
	(i) simple pendulum (ii) Atwood's machine (iii) projectile motion.	6		
III	HAMILTONIAN FORMULATION Phase space – cyclic coordinates – conjugate momentum	4	12	Chalk & Talk & PPT
	Hamiltonian function – Hamilton's canonical equations of motion – applications:	4		

	(i) simple pendulum (ii) one dimensional simple harmonic oscillator (iii) motion of particle in a central force field.	4		
IV	SMALL OSCILLATIONS Formulation of the problem - transformation to normal coordinates	6	12	Chalk & Talk & PPT
	frequencies of normal modes linear triatomic molecule	6		
V	RELATIVITY Inertial and non-inertial frames - Lorentz transformation equations	4	12	Chalk & Talk & PPT
	length contraction and time dilation - relativistic addition of velocities - Einstein's mass-energy relation	4		
	Minkowski's space - four vectors - position, velocity, momentum, acceleration and force in for vector notation and their transformations	4		

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Date:

Arun

Principal

S. Maryam Sathish

HOD

N. Boomadevi

N. Boomadevi

Course Teacher

SRI SARADA COLLEGE FOR WOMEN (Autonomous)

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COURSE TEACHING/LECTURE/EXAM PLAN

Department	Name of the faculty/s for the course	Academic year	Class
Physics	Dr. S.MUTHURANI M.UMA MAHESWARI	2023-2024	I M.Sc Physics
Semester	Course code	Course title	
I	23PPHC11	MATHEMATICAL PHYSICS	

Title of the book (Text/Reference)	Author/s	Edition & Publisher
Mathematical Methods for Physicists	George Arfken and Hans Weber, 2012	A Comprehensive Guide (7th edition), Academic press.
Mathematical Physics (2 nd edition)	P.K. Chattopadhyay, 2013	New Age, New Delhi
Advanced Engineering Mathematics	E. Kreyszig, 1983	Wiley Eastern New Delhi,
Advanced Engineering Mathematics	D. G. Zill and M. R. Cullen, 2006,	3rd Ed. Narosa, New Delhi.

Unit No	Topics	No. of hours	Proposed days/date	Remarks- Faculty/ Teaching aids
I	LINEAR VECTOR SPACE Basic concepts – Definitions- examples of vector space – Linear independence	3	12	Chalk & Black board
	Scalar product- Orthogonality – Gram-Schmidt orthogonalization procedure	3		
	linear operators – Dual space- ket and bra notation – orthogonal basis – change of basis	3		
	Isomorphism of vector space – projection operator Eigen values and Eigen functions – Direct sum and invariant subspace – orthogonal transformations and rotation	3		
II	COMPLEX ANALYSIS Review of Complex Numbers -de Moivre's theorem- Functions of a Complex	2	12	Chalk & Black board
	Variable- Differentiability -Analytic functions- Harmonic Functions- Complex	2		
	Integration- Contour Integration, Cauchy – Riemann conditions – Singularpoint	2		
	Cauchy's Integral Theorem and integral Formula - Taylor's Series -Laurent's Expansion- Zeros and poles – Residue theorem and its Application	2		
	Potential theory - (1) Electrostatic fields and complex potentials - Parallel plates	2		
	coaxial cylinders and an annular region (2) Heat problems - Parallel plates and coaxial cylinders	2		
III	MATRICES Types of Matrices and their properties, Rank of a Matrix - Conjugate of a matrix- Adjoint of a matrix	4	12	Chalk & Black board
	Inverse of a matrix - Hermitian and Unitary Matrices- Trace of a matrix	4		
	Transformation of matrices Characteristic equation - Eigen values and Eigen vectors	2		
	Cayley-Hamilton theorem –Diagonalization	2		

IV	FOURIER TRANSFORMS & LAPLACE TRANSFORMS Definitions - Fourier transform and its inverse Transform of Gaussian function and Dirac delta function - Fourier transform of derivatives - Cosine and sine transforms - Convolution theorem - Transforms of derivatives and integrals	4	12	Chalk & Blackboard
	Application: Diffusion equation: Flow of heat in an infinite and in a semi - infinite medium - Wave equation: Vibration of an infinite string and of a semi - infinite string - Laplace transform and its inverse	4		
	Differentiation and integration of transforms - Dirac delta functions - Application - Laplace equation: Potential problems in a semi - infinite strip	4		
V	DIFFERENTIAL EQUATIONS Second order differential equation - Sturm-Liouville's theory - Series solution with simple examples - Dirac delta function - One dimensional Green's function and Reciprocity theorem -	4	12	Chalk & Blackboard
	Hermite polynomials - Generating function - Orthogonality properties - Recurrence relations - Legendre polynomials	4		
	Generating function - Rodrigue formula - Orthogonality properties	4		
	Sturm Liouville's type equation in one dimension & their Green's function	4		

Date of CIAs: As per college calendar/need based amendments.

Date:

Kamala
Principal

P. Nagaraj Sankar Lalith
HoD

M. Srinivas
Course Teacher

SRI SARADA COLLEGE FOR WOMEN (Autonomous)
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COURSE TEACHING/LECTURE/EXAM PLAN

Department	Name of the faculty/s for the course	Academic year	Class
Physics	Dr.P.Gomathy Dr.S.Muthurani	2023 - 2024	I M.Sc.Physics
Semester	Course code	Course title	
I	23PPHE11	Physics of Nanoscience and Technology	

Title of the book (Text/Reference)	Author/s	Edition & Publisher
A textbook of Nanoscience and Nanotechnology	Pradeep T.,	Tata McGraw-Hill Publishing Co. (2012).
Principles of Nanoscience and Nanotechnology	M.A. Shah, Tokeer Ahmad, Narosa	Publishing House Pvt Ltd., (2010).
Introduction to Nanoscience and Nanotechnology,	K. K. Chattopadhyay and A.N. Banerjee,	PHI Learning Pvt. Ltd., New Delhi, (2012).
Nanostructured Materials and Nanotechnology.,	Hari Singh Nalwa	Academic Press, (2002).

Unit No	Topics	No. of hours	Proposed days/date	Remarks-Faculty/ Teaching aids
I	FUNDAMENTALS OF NANOSCIENCE AND TECHNOLOGY Fundamentals of NANO – Historical Perspective on Nanomaterial and Nanotechnology	4	12	Black board & PPT
	Classification of Nanomaterials – Metal and Semiconductor Nanomaterials - 2D, 1D, 0D nanostructured materials .	4		PPT
	Quantum dots – Quantum wires – Quantum wells - Surface effects of nanomaterials.	4		PPT
II	PROPERTIES OF NANOMATERIALS Physical properties of Nanomaterials: Melting points, specific heat capacity, and lattice constant - Mechanical behavior: Elastic properties – strength - ductility - superplastic behavior	4	12	Black board & PPT
	Optical properties: - Surface Plasmon Resonance – Quantum size effects - Electrical properties - Conductivity, Ferroelectrics and dielectrics	4		Black board & PPT

	Magnetic properties – super para magnetism – Diluted magnetic semiconductor (DMS).	4		Black board & PPT
III	SYNTHESIS AND FABRICATION Physical vapour deposition - Chemical vapour deposition - sol-gel – Wet deposition techniques	4	12	Black board
	Electrochemical deposition method – Plasma arching - Electrospinning method - ball milling technique	4		Black board
	Pulsed laser deposition - Nanolithography: photolithography – Nanomanipulator.	4		Black board
IV	CHARACTERIZATION TECHNIQUES Powder X-ray diffraction – X-ray photoelectron spectroscopy (XPS) - UV-visible spectroscopy	4	12	Black board & PPT
	Photoluminescence - Scanning electron microscopy (SEM) - Transmission electron microscopy (TEM)	4		Black board & PPT
	Scanning probe microscopy (SPM) - Scanning tunneling microscopy (STM) – Vibrating sample Magnetometer	4		Black board & PPT
V	APPLICATIONS OF NANOMATERIALS Sensors: Nanosensors based on optical and physical properties - Electrochemical sensors – Nano-biosensors.	3	12	Black Board & PPT
	Nano Electronics: Nanobots - display screens - GMR read/write heads - Carbon Nanotube Emitters	3		Black Board & PPT
	Photocatalytic application: Air purification, water purification -Medicine: Imaging of cancer cells – biological tags	3		Black Board & PPT
	Drug delivery - photodynamic therapy - Energy: fuel cells - rechargeable batteries - supercapacitors - photovoltaics.	3		Black Board & PPT

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Date:

Kamale

Principal

P. Nagarajadas

HoD

Deethu
Course Teacher

SRI SARADA COLLEGE FOR WOMEN (Autonomous)
TIRUNELVELI 627011
COURSE TEACHING/LECTURE/EXAM PLAN

Department	Name of the faculty/s for the course	Academic year	Class
Physics	Smt. S. Magara Jothi Lakshmi Dr. (Smt.) N. Booma Devi	2023 - 2024	I M.Sc. Physics
Semester	Course code	COURSE TITLE	
I	23PPHC13	LINEAR AND DIGITAL ICs & APPLICATIONS	

Title of the book (Text/Reference)	Author/s	Edition & Publisher
Linear Integrated Circuit	D. Roy Choudhury, Shail B. Jain	4 th edition, New Age International Pvt. Ltd., New Delhi, India
OP-AMP and Linear Integrated Circuits	Ramakant A. Gayakwad	4 th edition, Prentice Hall / Pearson Education, New Delhi
A Textbook of Electrical technology	B.L. Theraja and A.K. Theraja	S. Chand & Co.
Principles of Electronics	V.K. Mehta and Rohit Mehta	12 th Edition & S. Chand & Co.
Introduction to Integrated electronics (Digital & Analog)	V. Vijayendran	S. Viswanathan Printers & Publishers Private Ltd, Reprint

Unit No	Topics	No. of hours	Proposed days/date	Remarks- Faculty/ Teaching aids
I	INTEGRATED CIRCUITS AND OPERATIONAL AMPLIFIER: Introduction, Classification of IC's, basic information of Op-Amp 741 and its features	6	12	Black board & PPT
	The ideal Operational amplifier, Op-Amp internal circuit and Op-Amp. Characteristics.	6		
II	APPLICATIONS OF OP-AMP: LINEAR APPLICATIONS OF OP-AMP: Solution to simultaneous equations and differential equations, Instrumentation amplifiers, V to I and I to V converters.	6	12	Black board & PPT
	NON-LINEAR APPLICATIONS OF OP-AMP: Sample and Hold circuit, Log and Antilog amplifier, multiplier and divider, Comparators, Schmitt trigger, Multivibrators, Triangular and Square waveform generators.	6		

III	ACTIVE FILTERS & TIMER AND PHASE LOCKED LOOPS ; ACTIVE FILTERS: Introduction, Butterworth filters – 1st order, 2nd order low pass and high pass filters, band pass, band reject and all pass filters.	4	12	Black board & PPT
	TIMER AND PHASE LOCKED LOOPS: Introduction to IC 555 timer, description of functional diagram, monostable and astable operations and applications, Schmitt trigger, PLL.	4		
	Introduction, basic principle, phase detector/comparator, voltage controlled oscillator (IC 566), low pass filter, monolithic PLL and applications of PLL.	4		
IV	VOLTAGE REGULATOR & D to A AND A to D CONVERTERS : VOLTAGE REGULATOR: Introduction, Series Op-Amp regulator, IC Voltage Regulators, IC 723 general purpose regulators, Switching Regulator.	4	12	Black board & PPT
	D to A AND A to D CONVERTERS: Introduction, basic DAC techniques -weighted resistor DAC, R-2R ladder DAC, inverted R-2R DAC, A to D converters	4		
	Parallel comparator type ADC, counter type ADC, successive approximation ADC and dual slope ADC, DAC and ADC Specifications.	4		
V	CMOS LOGIC, COMBINATIONAL CIRCUITS USING TTL 74XX ICs & SEQUENTIAL CIRCUITS USING TTL 74XX ICs: CMOS LOGIC: CMOS logic levels, MOS transistors, Basic CMOS Inverter, NAND and NOR gates, CMOS AND-OR-INVERT and OR-AND-INVERT gates, implementation of any function using CMOS logic.	4	12	Black Board & PPT
	COMBINATIONAL CIRCUITS USING TTL 74XX ICs: Study of logic gates using 74XX ICs, Four-bit parallel adder (IC 7483), Comparator (IC 7485), Decoder (IC 74138, IC 74154), BCD to 7-segment decoder (IC7447), Encoder (IC74147), Multiplexer (IC74151), Demultiplexer (IC 74154).	5		
	SEQUENTIAL CIRCUITS USING TTL 74XX ICs: Flip Flops (IC 7474, IC 7473), Shift Registers, Universal Shift Register (IC 74194), 4-bit asynchronous binary counter (IC 7493).	3		

Date of CIAs: As per college calendar/need based amendments.

Ramale
Principal

S. Magare Totkhalakha
HoD

S. Magare Totkhalakha
N. Bhamadevi
Course Teacher

SRI SARADA COLLEGE FOR WOMEN (Autonomous)
TIRUNELVELI 627011
COURSE TEACHING/LECTURE/EXAM PLAN

Department	Name of the faculty/s for the course	Academic year	Class
Physics	Dr.P.Gomathy Ms.K.Nirajana Devi	2023 - 2024	II M.Sc.Physics
Semester	Course code	Course title	
III	22PPHC32	Electro Magnetic Theory	

Title of the book (Text/Reference)	Author/s	Edition & Publisher
Introduction to Electrodynamics	David J Griffiths.	2013 (4) Prentice Hall of India
Classical electrodynamics	J. D. Jackson	2007 (3) Wiley Eastern Publication.
Electromagnetic fields and Waves	P.Lorrain and D.Corson.	1988 (3) CBS Publishers and Distributors
Electrodynamics	B.P Laud	2015 (3) New Age International Pvt.Ltd.

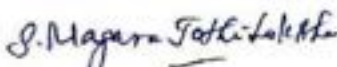
Unit No	Topics	No. of hours	Proposed days/date	Remarks- Faculty/ Teaching aids
I	Electrostatics Coulomb's law – Gauss law – Poisson's equation and Laplace's equation – work done to move a point charge.	5	15	Chalk&Talk
	Energy of a point charge and continuous charge distribution – methods of images – electric field in dielectric materials	5		Chalk&Talk
	Induced dipoles and polarizability – connection between polarizability and susceptibility – susceptibility, permittivity and dielectric constant of linear dielectric	5		Black board & PPT
II	Magnetostatics Lorentz force law – Biot-savart's law and Ampere's law – magnetic vector potential	5	15	Black board & PPT
	Expansion of the vector potential–Effects of a magnetic field on atomic orbits	5		Chalk&Talk
	Magnetic energy - Ferromagnetism magnetic susceptibility and permeability in linear and non linear media.	5		Chalk&Talk

III	Electrodynamics Electromagnetic induction – Faraday’s law – Maxwell’s equation differential and integral form	5	15	Chalk&Talk
	Boundary conditions on field vectors D, E, B and H – Scalar and vector potentials	5		Chalk&Talk
	Gauge transformations–Lorentz and coulomb gauge–pointing vector and pointing theorem - stress tensor – Conservation of momentum	5		Chalk&Talk
IV	Electromagnetic waves The wave equation for E and B – Monochromatic plane waves.	3	15	Chalk&Talk
	Energy and momentum in EM waves in linear media	3		Chalk&Talk
	Reflection and transmission at normal and Oblique incidence – EM waves in conductors wave guides	5		Chalk&Talk
	TE waves in rectangular wave guides – the coaxial transmission line.	4		Chalk&Talk
V	Electromagnetic radiation Retarded potential – Lenard – Wiechart potential – Electric dipole radiation	5	15	Chalk&Talk
	Magnetic dipole radiation – power radiated by a point charge – amour formula	5		Chalk&Talk
	Abraham Lorentz formula for the radiation reaction – physical origin of radiation reaction.	5		Chalk&Talk

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SRI SARADA COLLEGE FOR WOMEN (Autonomous)
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COURSE TEACHING/LECTURE/EXAM PLAN

Department	Name of the faculty/s for the course	Academic year	Class
Physics	Dr. S. Bagavathi Dr. S.Muthurani	2023 - 2024	II M.Sc. Physics
Semester	Course code	Course title	
III	19PPHC31	QUANTUM MECHANICS I	

Title of the book (Text/Reference)	Author/s	Edition & Publisher
Quantum Mechanics I: Fundamentals	S. Rajasekar and R.Velusamy	CRC Press, Taylor and Francis group- Boca Raton, London, 2017 (3)
Quantum Mechanics	L. Schiff	Tata Mc Graw Hill, New Delhi, 2010 (2)
Introduction to Quantum Mechanics	David J Griffiths	4th edition, Pearson, 2011
Quantum Mechanics	V. Devanathan	2nd edition, Alpha Science International Ltd, Oxford, 2011

Unit No	Topics	No. of hours	Proposed days/date	Remarks- Faculty/ Teaching aids
I	Origin of Quantum Mechanics Introduction - Construction of Schrodinger equation - Solution of time dependent equation -	4	12	Chalk & Talk & PPT
	Physical interpretation of - Conditions on allowed wave functions - Box normalization - Conservation of probability - Expectation value -	4		
	Ehrenfest's theorem - Verification of Ehrenfest's theorem - Linear harmonic oscillator - particle in an infinite square well potential - Particle in a magnetic field	4		
II	Heisenberg Uncertainty Principle and Operators Classical uncertainty relation - Heisenberg uncertainty relation - Implication of uncertainty relation	4	12	Chalk & Talk & PPT
	Illustration of uncertainty relation - Gamma-Ray microscope - Doppler effect.	4		
	Operators, Eigen values and Eigen functions: Self-adjoint and Hermitian operator - Discrete and continuous Eigen values.	4		
III	Exactly solvable systems Bound states - Classical probability distribution - linear harmonic oscillator		12	Chalk & Talk &

		4		PPT
	- Particle in a box - Poschl-Teller potentials - Quantum pendulum -	4		
	Time dependent harmonic oscillator - Rigid rotator.	4		
IV	Matrix Mechanics Linear vector space - Matrix representation of operators and wave functions -	4	12	Chalk & Talk & PPT
	Unitary transformation - Application of matrix mechanics	4		
	- Dirac's Bra and Ket notations - Properties of bra and ket vectors - Hilbert space.	4		
V	Various Pictures and Density matrix Schrodinger picture - Heisenberg picture - Interaction picture -	4	12	Chalk & Talk & PPT
	Density matrix for a single system - Density matrix of an ensemble	4		
	Time evolution of density operator - A spin $\frac{1}{2}$ systems	4		

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Ramals
Principal

S. Magan Jathilal
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Devi D
Course Teacher

SRI SARADA COLLEGE FOR WOMEN (Autonomous)
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COURSE TEACHING/LECTURE/EXAM PLAN

Department	Name of the faculty/s for the course	Academic year	Class
Physics	Dr. (Smt.) N. BOOMA DEVI	2023-2024	II M.Sc. Physics
Semester	Course code	Course title	
III	22PPHC33	Statistical Mechanics	

Title of the book (Text/Reference)	Author/s	Edition & Publisher
Statistical Mechanics	R K Pathria, P.D. Beale	Academic Press
Elementary statistical Mechanics	Kamal Singh & S.P. Singh	S. Chand & Company, New Delhi
Elements of Statistical Mechanics	Dr. S.L. Gupta & Dr. V. Kumar	Pragati Prakashan, Meerut
Fundamentals of Statistical and Thermal Physics	Reif F. McGraw	Hill Kogakusha.
Statistical Physics	Huang K. John	Wiley
Statistical Mechanics	Gupta & Kumar	Pragati Prakashan, Meerut.

Unit No	Topics	No. of hours	Proposed days/date	Remarks- Faculty/ Teaching aids
I	Basic Concepts Phase space – phase – space diagram of an oscillator – Volume in phase space – Ensembles – Micro canonical ensembles – canonical ensemble	4	12	Black board & PPT
	Grand canonical ensemble – Density of distribution in phase space – Liouville's theorem – postulate of equal a priori probability	4		
	Statistical, mechanical and thermal equilibrium – connection between statistical and thermodynamical quantities.	4		
II	M-B Distribution law Microstates and microstates – Stirling's approximation – Thermodynamics probability – General statistical distribution law	4	12	Black board & PPT
	Classical Maxwell – Boltzmann distribution law – Evaluation of constants in the Maxwell Boltzmann distribution law – Maxwell's law of distribution of velocities	4		
	Principle of equi-partition of energy – Boltzmann entropy relation – probability of magnetic moment distribution of independent atoms.	4		
III	Quantum statistics Bose-Einstein and Fermi-Dirac distributions – Thermodynamic quantities – Fluctuations in different ensembles	4	12	Black board & PPT
	Bose and Fermi distributions in micro canonical ensemble – Maxwell-Boltzmann distribution law of microstates in a classical gas – Physical interpretation of the classical limit	4		
	Derivation of Boltzmann equation for change of states without and with collisions – Boltzmann equation for quantum statistics – Equilibrium distribution in Boltzmann equation	4		

IV	Bose Gas and Fermi Gas Non-interacting Bose gas and thermodynamic relations – Chemical potential of bosons – pressure and energy density of bosons – Blackbody radiations and Planck's distribution law	4	12	Black board & PPT
	Number density of photons and Bose condensation - Thermodynamic relations for non- interacting Fermi gas – Fermi gas at zero temperature–Fermi energy and Fermi momentum	4		
	Pressure and energy density–Fermi gas at low temperature – Mass less Fermi gas at any temperature, Particles and antiparticles	4		
V	Heat capacities, Ising model and Phase Transitions Heat capacities of heteronuclear diatomic gas – Heat capacities of homonuclear diatomic gas	3	12	Black board & PPT
	Heat capacities of solids; Dulong and Petit law, – Heat capacity of Bose gas	3		
	One-dimensional Ising model and its solution by variational method - Classification of phase transitions by order and by symmetry– Phase diagrams for pure systems.	6		

Date of CIAs: As per college calendar/need based amendments.

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Ramale
Principal

P. Magam Ethikalatha
HoD

N. Boomadesi
Course Teacher

SRI SARADA COLLEGE FOR WOMEN (Autonomous)
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COURSE TEACHING/LECTURE/EXAM PLAN

Department	Name of the faculty/s for the course	Academic year	Class
Physics	S. Magara Jothi Lakshmi M. Uma Maheswari	2023 - 2024	II M.Sc.Physics
Semester	Course code	Course title	
I	22PPHP34	RESEARCH METHODOLOGY	

Title of the book (Text/Reference)	Author/s	Edition & Publisher
Thesis and Assignment writing	Janathan Anderson, Berry H. Durston, Millicent Poole	1970 (4) Wiley Eastern University Edition, Wiley Eastern Ltd.
Research methodology Methods and techniques	C.R.Kothari	2005 (2) New Age International Publishers, New Delhi.

Unit No	Topics	No. of hours	Proposed days/date	Remarks- Faculty/ Teaching aids
I	Introduction to Research Objectives of Research - Importance of research - research methods and research methodology	4	12	Black board & PPT
	Types of research - Basic research - applied research Quantitative and Qualitative methods	4		
	Identification of research topic - Literature survey - Reference collection - Hypothesis.	4		
II	Research Activity Mode of research - Research design - joy in doing research - crucial stage of Ph.D., - actual investigation - doing good research	4	12	Black board & PPT
	results and conclusion - preparing the oral report - presenting the oral report in scientific seminar Planning the assignment -	4		
	Defining and limiting the problem - time schedule - preparing the working bibliography - taking notes - outline - first draft	4		
III	Writing the thesis Planning the thesis - Writing the thesis / assignment - General format	4	12	Black board & PPT
	Page and chapter format - Tables and figures	4		
	Referencing - Appendixes.	4		
IV	Plotting software: Origin Introduction - Importing your data - Designating Worksheet Columns as Error Bars	4	12	Black board & PPT
	Plotting Data - Customizing the Data Plot - Customizing the Graph Axes - Adding Text to the Graph	4		
	Exploring Data: Transforming Column Values - Sorting Worksheet Data - Plotting a Range of the Worksheet Data	4		

V	Typesetting Software : Latex Introduction to LaTeX - TeX and LaTeX - A typical LaTeX input file - Characters and control sequences	4	12	Black board & PPT
	Characters and control sequences - Producing Simple Documents using LaTeX-	4		
	LaTeX input file-producing ordinary text using LaTeX-- Producing Mathematical Formulae using LaTeX-- Mathematics mode	4		

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Date:

Akamala
Principal

S. Nagaraj Sathya Lakshmi
HoD

S. Nagaraj Sathya Lakshmi
M. (Course Teacher)

SRI SARADA COLLEGE FOR WOMEN (Autonomous)
TIRUNELVELI 627011
COURSE TEACHING/LECTURE/EXAM PLAN

Department	Name of the faculty/s for the course	Academic year	Class
CHEMISTRY	V.Raja Rajeswari & K.Lakshmi	2023-2024	I Bsc Chemistry
Semester	Course code	Course title	
I	23UCHC11	General Chemistry I	

Title of the book (Text/Reference)	Author/s	Edition & Publisher
Principles of Inorganic Chemistry	B. R. Puri, L. R. Sharma, K. C. Kalia	2016 (1) Vishal Publishing & Co, Jalandhar
Principles of Physical Chemistry	Puri, Sharma and Pathania	2019 (48) Vishal Publishing Co, New Delhi

Unit No	Topics	No. of hours	Proposed days/date	Remarks-Faculty/ Teaching aids
I	UNIT I Atomic structure and Periodic trends History of atom (J.J.Thomson, Rutherford); Moseley's Experiment and Atomic number, Atomic Spectra; Black-Body Radiation and Planck's quantum theory - Bohr's model of atom	4	12	PPT
	The Franck-Hertz Experiment-Interpretation of Hspectrum; Photoelectric effect, Compton effect; Dual nature of Matter-DeBroglie wavelength	3		
	Davisson and Germer experiment Heisenberg's Uncertainty Principle	2		
	Electronic Configuration of Atoms and ions- Hund's rule, Pauli'exclusion principle and Aufbau principle. Numerical problems involving the core concepts.	3		
II	Unit II Introduction to Quantum mechanics Classical mechanics, Wave mechanical model of atom, distinction between a Bohr orbit and orbital; Postulates of quantum mechanics	2	12	Chalk and Talk
	Probability interpretation of wavefunctions, Formulation of Schrodinger wave equation - Probability and electron density-visualizing the orbitals -Probability density and significance of Ψ and Ψ^2 .	4		
	Modern Periodic Table Cause of periodicity; Features of the periodic table; classification of elements - Periodic trends for atomic size-Atomic radii, Ionic, crystal and Covalent radii	2		
	Ionization energy, electron affinity, electronegativity-electronegativity scales, applications of electronegativity. Problems involving the core concepts.	4		
III	UNIT-III: Structure and bonding - I Ionic bond Lewis dot structure of ionic compounds; properties of ionic compounds; Energy involved in ionic compounds; Born Haber cycle – lattice energies	3	12	Chalk and Talk
	Madelung constant; relative effect of lattice energy and solvation energy; Ion polarisation – polarising power and polarizability-Fajans' rules - effects of polarisation on properties of compounds; problems involving the core concepts.	4		
	Covalent bond Shapes of orbitals, overlap of orbitals – σ and Π bonds; directed valency - hybridization; VSEPR theory - shapes of molecules of the type AB ₂ , AB ₃ , AB ₄ , AB ₅ , AB ₆ and AB ₇	3		

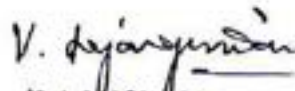
	Partial ionic character of covalent bond-dipole moment, application to molecules of the type A ₂ , AB, AB ₂ , AB ₃ , AB ₄ Percentage ionic character-numerical problems based on calculation of percentage ionic character.	2		
IV	UNIT-IV: Structure and bonding - II VB theory - application to hydrogen molecule; concept of resonance - resonance structures of some inorganic species - CO ₂ , NO ₂ , CO ₃ ²⁻ , NO ₃ ⁻ ; limitations of VBT	2	12	PPT
	MO theory - bonding, antibonding and nonbonding orbitals, bond order; MO diagrams of H ₂ , C ₂ , O ₂ , O ₂ ⁺ , O ₂ ⁻ , O ₂ ²⁻ , N ₂ , NO, HF, CO; magnetic characteristics, comparison of VB and MO theories.	3		
	Coordinate bond: Definition, Formation of BF ₃ , NH ₃ , NH ₄ ⁺ , H ₃ O ⁺ properties Metallic bond-electron sea model, VB model; Band theory-mechanism of conduction in solids; conductors, insulator, semiconductor - types, applications of semiconductors	3		
	Weak Chemical Forces - Vander Waals forces, ion-dipole forces, dipole-dipole interactions, induced dipole interactions, Instantaneous dipole-induced dipole interactions. Repulsive forces	2		
	Hydrogen bonding - Types, special properties of water, ice, stability of DNA; Effects of chemical force, melting and boiling points.	2		
V	UNIT-V: Basic concepts in Organic Chemistry and Electronic effects Types of bond cleavage - heterolytic and homolytic; arrow pushing in organic reactions; reagents and substrates; types of reagents - electrophiles, nucleophiles	2	12	Chalk and Talk
	Free radicals; reaction intermediates - carbanions, carbocations, carbenes, arynes and nitrynes.	2		
	Inductive effect - reactivity of alkyl halides, acidity of halo acids, basicity of amines; inductomeric and electromeric effects.	2		
	Resonance - resonance energy, conditions for resonance - acidity of phenols, basicity of aromatic amines, stability of carbonium ions, carbanions and free radicals, reactivity of vinyl chloride, dipole moment of vinyl chloride and nitrobenzene, bond lengths; steric inhibition to resonance.	3		
	Hyperconjugation - stability of alkenes, bond length, orienting effect of methyl group, dipole moment of aldehydes and nitromethane Types of organic reactions- addition, substitution, elimination and rearrangements.	3		

Date of CIAs: As per college calendar/need based amendments.

Date:


Principal


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K-LAKSHMI
Course Teacher

SRI SARADA COLLEGE FOR WOMEN (Autonomous)
TIRUNELVELI 627011
COURSE TEACHING/LECTURE/EXAM PLAN

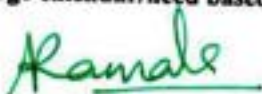
Department	Name of the faculty/s for the course	Academic year	Class
CHEMISTRY	R.Kaliswari	2023-2024	I Bsc Chemistry
Semester	Course code	Course title	
I	23UCHFC1	Foundation Course	

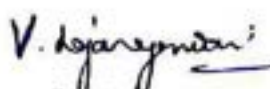
Title of the book (Text/Reference)	Author/s	Edition & Publisher
Text book of Organic Chemistry	P.L.Soni & H.M.Chawla	2012 (29) & Sultan Chand & Sons
Principles of Physical Chemistry	Puri, Sharma and Pathania	2019(48) & Vishal Publishing & Co, New Delhi

Unit No	Topics	No. of hours	Proposed days/date	Remarks -Faculty/Teaching aids
I	Basic Concepts of Chemistry and Chemical Calculations Atomic and Molecular Masses-Mole Concept-Avogadro Number	1	6	PPT
	Molar Mass-Molar Volume-Gram Equivalent Concept-Empirical Formula and Molecular Formula	2		
	Stoichiometric Calculations-Calculations based on Stoichiometry-Limiting Reagents-Oxidation Number	3		
II	IUPAC NOMENCLATURE & ISOMERISM IUPAC nomenclature of common organic compounds (upto C 10)-alkanes, alkenes, alkynes, cycloalkanes with and without bridges	2	6	Chalk and Talk
	Hetero cyclic compounds, aromatic compounds and functional groups. Isomerism	1		
	Definition, Types- Structural Isomerism- Chain, Positional, Functional, metamerism, Tautomerism and ring chain. Stereo isomerism- Geometrical- cis, trans & optical (definition only)	3		
III	Organic Chemistry Compounds of Carbon- Classification -Special features of carbon - catenation-Tetravalency-Isomerism-Allotropy-Carbon compounds in everyday life	3	6	Chalk and Talk
	Hydrocarbons-Functional groups-Homologous series	1		
	Acid-Classification of Acid-Bases- Classification of Bases-Salts- Nomenclature of organic compounds	2		
IV	Inorganic Chemistry Elements- Compounds-Mixtures- Differences Between Compound and Mixture- Separation of mixtures	2	6	PPT
	Concepts and classification of elements-modern periodic table-metals- Nonmetals-metalloid-Alloys	2		
	Atomic number and Mass number -Electronic configuration- Valency- Isotopes, Isobars and Isotones.	2		
V	Physical Chemistry Electrochemistry-Electrochemical cell-Electrolyte-Physical nature of matter	2	6	Chalk and Talk
	Solutions- Colloidal. Solutions-Types of solution-Solubility- Concentration of solution	2		
	Oxidation-Reduction-Redox reaction-Reversible and Irreversible reaction-State of Equilibrium.	2		

Date of CIAs: As per college calendar/need based amendments.

Date:


Principal


HOD

R.KALISWARI
Course Teacher

SRI SARADA COLLEGE FOR WOMEN (Autonomous)
TIRUNELVELI 627011
COURSE TEACHING/LECTURE/EXAM PLAN

Department	Name of the faculty/s for the course	Academic year	Class
CHEMISTRY	R.Lakshmi Prabha	2023-2024	I B.Com,I Economics,I English,I B.Sc Computer Science
Semester	Course code	Course title	
I	23UNCH11	Food Chemistry I	

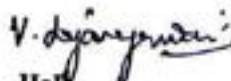
Title of the book (Text/Reference)	Author/s	Edition & Publisher
Fundamental Concepts of Applied Chemistry	Jayashree Ghosh,	Second edition, 2006& Sultan Chand & Company, NewDelhi
Food Science	Sri Lakshmi B	2005 (3) & New Age International Publishers, New Delhi.

Unit No	Topics	No. of hours	Proposed days/date	Remarks- Faculty/ Teaching aids
I	UNIT I Food Adulteration Sources of food, types, advantages and disadvantages.	2	6	PPT
	Food adulteration - contamination of wheat, rice, milk, butter etc. with clay stones, water and toxic chemicals	2		
	Common adulterants, Ghee adulterants and their detection.	1		
	Detection of adulterated foods by simple analytical techniques	1		
II	UNIT-II Food Poison Food poisons - natural poisons (alkaloids - nephrotoxin)	2	6	Chalk and Talk
	Pesticides, (DDT, BHC, Malathion)	2		
	Chemical poisons - First aid for poison consumed victims.	2		
III	UNIT-III Food Additives Food additives -artificial sweeteners – Saccharin – Cyclamate and Aspartate	2	6	Chalk and Talk
	Food flavours -esters, aldehydes and heterocyclic compounds	1		
	Food colours – Emulsifying agents – preservatives -leavening agents.	2		
	Baking powder – yeast – tastemakers – MSG - vinegar.	1		
IV	UNIT-IV Beverages Beverages-softdrinks-soda-fruitjuices-alcoholicbeverages-examples.	3	6	PPT
	Carbonation-addiction to alcohol– diseases of liver and social problems..	3		
V	UNIT-V Edible Oils Fats and oils - Sources of oils - production of refined vegetable oils - preservation.	2	6	Chalk and Talk
	Saturated and unsaturated fats - iodine value - role of MUFA and PUFA in preventing heart diseases	2		
	Determination of iodine value, RM value, saponification values and their significance	2		

Date of CIAs: As per college calendar/need based amendments.

Date:


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Course Teacher

SRI SARADA COLLEGE FOR WOMEN (Autonomous)
TIRUNELVELI 627011
COURSE TEACHING/LECTURE/EXAM PLAN

Department	Name of the faculty/s for the course	Academic year	Class
Chemistry	V.Raja Rajeswari & K.Lakshmi	2023-2024	II B.Sc Chemistry
Semester	Course code	Course title	
III	22UCHC31	Organic Functional Groups	

Title of the book (Text/Reference)	Author/s	Edition & Publisher
Text book of Organic Chemistry	P.L. Soni & H.M. Chawla	2012 (29)& Sultan Chand & Sons
A text book of Organic Chemistry	K.S. Tewari, N.K. Vishil, S.N. Mehotra	Mehotra 2001 (1)& Vikas Publishing House Pvt Ltd., New Delhi

Unit No	Topics	No. of hours	Proposed days/date	Remarks-Faculty/ Teaching aids
I	Alcohols Monohydric alcohols: Classification – Ethanol: preparation (from alkenes, alkanes, Grignard reagent) – Physical properties,	3	12	Chalk and Talk
	Acidic nature of alcohols, chemical reactions and uses. Dihydric alcohol: Ethylene glycol: Preparation, chemical properties and uses.	3		
	Trihydric alcohol: Glycerol: Preparation, chemical properties and uses Aromatic Alcohols: Preparation and properties of Phenol and Benzyl alcohol	3		
	Substituted Phenols – Nitrophenol, Picric acid, Cresol, Catechol, Resorcinol, Phloroglucinol and Aminophenol	3		
II	Aliphatic and Aromatic Aldehydes and Ketones Aliphatic Aldehydes and Ketones Mechanism of nucleophilic addition – reactivity of carbonyl group	4	12	PPT
	Preparation and properties of Acetaldehyde, Acrolein, Crotonaldehyde, Glycolaldehyde, Aldol, Diacetone alcohol and Ethyl methyl ketone	4		
	Importance of flavouring agents – veratraldehyde. Aromatic Aldehydes and Ketones Preparations and properties of benzaldehyde, Cinnamaldehyde, salicylaldehyde, Acetophenone, Benzophenone and quinones	4		
III	Mono and Dicarboxylic Acid and its Derivatives Aliphatic acids: Preparation and properties of formic acid and acetic acid, malonic acid and succinic acid - structural effect on strength of carboxylic acids.	3	12	PPT
	Halogen substituted acids: Preparation and properties of monochloro, dichloro, trichloro acetic acids. Influence of halogen atom on the strength of acids.	2		
	Unsaturated dicarboxylic acid: Preparation and properties of maleic and fumaric acids – geometrical isomerism exhibited by maleic and fumaric acid	2		
	Hydroxy acids: General methods of preparation and properties of tartaric acid and lactic acid. Action of heat on α , β and γ -hydroxyacids. Amino acids: Preparation and properties of glycine and alanine.	3		

	Aromatic acids: Preparation and properties of benzoic acid-salicylic acid- anthranilic acid. phthalic acid and its derivatives phthalic anhydride and phthalimides.	2		
IV	Ethers, Thioether and Epoxides Ethers: Nomenclature - General methods of preparation, Williamson's Synthesis - Properties	3	12	PPT
	Estimation of number of alkoxy groups – Ziesel's method. Thioethers: Nomenclature - General methods of preparation – properties - mustard gas.	3		
	Epoxides: Synthesis – reactions – acid and base-catalyzed ring opening of epoxides – (Symmetrical epoxides only).	3		
	Preparation and properties of thioalcohols and thioethers – sulphonal- mustard gas and sulphones	3		
V	Reactive Methylene Compounds & Tautomerism Reactivity of methylene groups – preparation definition – and synthetic uses of diethyl malonate	4	12	Chalk and Talk
	Synthetic uses of ethyl acetoacetate	2		
	Synthetic uses of Cyanoacetic ester.	2		
	Tautomerism- various types, keto – enol, amido – imido, nitro – acinitro and oxime – nitroso tautomerism	4		

Date of CIAs: As per college calendar/need based amendments.

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Principal

V. de jangar

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V. de jangar

Course/Teacher

SRI SARADA COLLEGE FOR WOMEN (Autonomous)

TIRUNELVELI 627011

COURSE TEACHING/LECTURE/EXAM PLAN

Department	Name of the faculty/s for the course	Academic year	Class
Chemistry	R.Kaliswari	2023-2024	II B.Sc Chemistry
Semester	Course code	Course title	
III	22UCHS31	Agro Chemistry	

Title of the book (Text/Reference)	Author/s	Edition & Publisher
Introductory Soil Science	Dilip Kumar Das	2002 (1)& Kalyani Publishers, New Delhi
Textbook of Soil Science	Biswas, T.D and Mukherjee.S.K	2010 (21)& Tata McGraw-Hill Education (P) Ltd, New Delhi

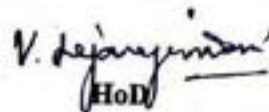
Unit No	Topics	No. of hours	Proposed days/date	Remarks- Faculty/ Teaching aids
I	Characteristics of soil - Main components of soil - organic, inorganic constituents - soil formation - factors favouring soil formation.	3	12	Chalk & Talk
	Physical aspects - soil texture - pore space - bulk density, particle density.	2		
	soil structure—types, class, factors affecting soil structure - soil colour - surface area - soil colloids -plasticity, shrinkage- flocculation and deflocculation,	4		
	soil air, soil temperature and their importance in plant growth. Acid, alkaline and saline soils – diagnosis - Methods of reclamation and after care.	3		
II	Soil Biology- Soil flora, Soil fauna. Environmental factors influencing microbial activity.	4	12	Chalk & Talk
	Beneficial role of soil organism- Decomposition of organic matter in soil and synthesis of Humus-carbon cycle,	4		
	Nitrogen cycle- biological nitrogen fixation-effects of cultural practices on soil organisms	4		
III	Soil testing & Laboratory Work Concept and objectives – soil survey and its importance, soil sampling, tools, collection, processing, dispatch of soil sample.	4	12	Power point Presentation
	1. Estimation of total organic compound, available nitrogen and phosphorus in the soil sample.	4		
	2.Determination of pH, EC, moisture content, bulk density and particle density of the soil sample.	4		

IV	Fertilizers Definition, Classification, characteristics of a good fertilizer- macronutrients -role of nitrogen, potassium and phosphorus on plant growth -	3	12	Power point Presentation
	Manufacture of urea, muriate of potash and triple superphosphate.	2		
	Complex fertilizers, mixed fertilizers & biofertilizers – their composition, advantages of biofertilizers, factors affecting fertilizer use.	3		
	Micronutrients – their role in plants. Manures: Bulky organic manures – Farm yard manure - oil cakes - blood meal – fish manures - Composting process – handling and storage.	4		
V	Pesticides Definition - Classification of Pesticides based on the use and chemical composition – examples - general methods of application	4	12	Chalk & Talk
	Benefits of pesticides - Potential hazards. Safety measures -first aid. Insecticides: Plant products – Nicotine, pyrethrin – Inorganic pesticides – borates. Organic pesticides – D.D.T. and BHC.	4		
	Fungicide: Sulphur compounds, Copper compounds, Bordeaux mixture. Herbicides: Acaricides – Rodenticides. Attractants – Repellants.	4		

Date of CIAs: As per college calendar/need based amendments.

Date:


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R-KALISWARI
Course Teacher

SRI SARADA COLLEGE FOR WOMEN (Autonomous)
TIRUNELVELI 627011
COURSE TEACHING/LECTURE/EXAM PLAN

Department	Name of the faculty/s for the course	Academic year	Class
Chemistry	R.Kaliswari	2023-2024	II B.Com, II B.Com CS, II Economics, II English, II It
Semester	Course code	Course title	
III	22UNCH3B	Basics of Food Science	

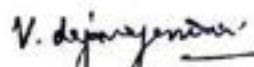
Title of the book (Text/Reference)	Author/s	Edition & Publisher
Food Science	Sri Lakshmi B	2005 (3) & New Age International Publishers, New Delhi.
Textbook on Food Chemistry	Swaminathan M	1995 (2) & Printing and Publishing Co, Ltd, Bangalore

Unit No	Topics	No. of hours	Proposed days/date	Remarks-Faculty/ Teaching aids
I	Introduction Water – nutrient, vital link to life, Food : sources and classification – food as a source of energy	2	6	Chalk &Talk
	Functions and biological importance of carbohydrates, protein, fat, vitamins and minerals types, estimation and deficiency disease	2		
	Calorific value of food – energy requirements of individuals – balanced diet.	2		
II	Food Additives Definition, permitted food additives, characteristics and their role: sweeteners, food colourants	3	6	Chalk &Talk
	Natural and artificial - antioxidants, stabilizers, flavours, bleaching and maturing agents – leavening agents.	3		
III	Food Preservatives Definition - classification - methods of food preservation-curing, cooling, freezing, boiling, heating, sugaring, pickling, canning, jellying, jugging, burial, fermentation, modern techniques	3	6	Chalk &Talk
	Pasteurisation, vacuum packing, freeze drying, irradiation, pulsed electric field electroporation	1		
	Modified atmosphere, high pressure food preservation and bio-preservation,	2		
IV	Food Adulteration Definition – types – detection and analysis of adulterants in foods: milk, honey, coriander powder, chilli powder	3	6	Chalk &Talk
	Coffee powder, tea dust, turmeric powder, asafoetida, ghee, oil, meat and pulses.	3		
V	Quality Standards Quality control - specification and standards - FA, WHO standards	3	6	Chalk &Talk
	Packing and labeling of foods, Essential Commodities Act - Consumer Protection Act - AGMARK.	3		

Date of CIAs: As per college calendar/need based amendments.

Date:


Principal


HoD

R.KALISWARI
Course Teacher

SRI SARADA COLLEGE FOR WOMEN (Autonomous)
TIRUNELVELI 627011
COURSE TEACHING/LECTURE/EXAM PLAN

Department	Name of the faculty/s for the course	Academic year	Class
Chemistry	R.Lakshmi Prabha	2023-2024	II B.Sc Physics& II B.Sc Mathematics
Semester	Course code	Course title	
III	22UCHA31	Basic Concepts in Chemistry	

Title of the book (Text/Reference)	Author/s	Edition & Publisher
Text Book of Physical Chemistry	P.L.Soni	2011 (23), Sultan Chand & Company, New Delhi
Principles of Inorganic Chemistry	B. R. Puri, L. R. Sharma, K. C. Kalia	2016 (1), Vishal Publishing &Co, Jalandhar

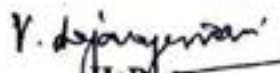
Unit No	Topics	No. of hours	Proposed days/date	Remarks- Faculty/ Teaching aids
I	Inorganic chemistry Atomic structure: electronic configuration - Aufbau principle - Pauli's exclusion principle- Hund's rule. Bonding: electrovalent, covalent, Hydrogen bonds.	3	12	Power Point Presentation
	Hybridization: concept- VB theory – sp, sp ² , sp ³ hybridisation with suitable example.	3		
	VESPR theory – Geometry of CH ₄ , C ₂ H ₄ , C ₂ H ₂ - BeCl ₂ , BF ₃ , NH ₃ , H ₂ O, PCI ₅ , IF ₅ ,IF ₇	2		
	.Molecular orbital theory- applications of MOT to homonuclear (O ₂ , F ₂), and heteronuclear (HF, CO and NO) diatomic molecules. Comparison of VBT and MOT.	4		
II	Organic reactions Heterolytic and homolytic cleavage - nucleophiles and electrophiles.	4	12	Chalk and Talk
	Reaction intermediates - formation, shape and stability of carbocations, carbanions and free radicals	4		
	Types of reaction - substitution, addition, elimination, rearrangement and polymerization reactions.	4		
III	Aromatic compounds General characteristics of aromatic compounds – aromaticity – Huckel's rule with examples	4	12	Chalk and Talk
	Non-benzenoid aromatic compounds (definition and examples only) Anti aromaticity & non aromaticity	4		
	Preparation, properties and structure of benzene and naphthalene	4		

IV	Nuclear Chemistry Nuclear stability – n/p ratio – packing fraction – mass defect – binding energy	4	12	Chalk and Talk
	Isotopes, isobars, isotones with examples. Separation of isotopes by diffusion method – group displacement law – radioactive series – Nuclear fission, Nuclear fusion	4		
	Application of radio isotopes (studying reaction mechanism, radio diagnosis and therapy, C14 dating, Irradiation of Food, Agriculture)	4		
V	Photochemistry Definition-comparison between thermal and photochemical reactions- Laws of photochemistry-Beer Lambert's law - Grothus Draper law- Stark Einstein's law .	4	12	Power Point Presentation
	Quantum yield-reason for low and high quantum yield determination of quantum yield- Jablonski diagram	4		
	Fluorescence, phosphorescence, chemi-luminescence and bioluminescence-definition with examples.	4		

Date of CIAs: As per college calendar/need based amendments.

Date:


Principal


HoD


Course Teacher

SRI SARADA COLLEGE FOR WOMEN (Autonomous)
TIRUNELVELI 627011
COURSE TEACHING/LECTURE/EXAM PLAN

Department	Name of the faculty/s for the course	Academic year	Class
Chemistry	K.Lakshmi	2023-2024	III.B.Sc.Chemistry
Semester	Course code	Course title	
V	22UCHC51	Metallurgy and Group Elements	

Title of the book (Text/Reference)	Author/s	Edition & Publisher
Inorganic Chemistry	P.L.Soni	2017(20) &Sultan Chand & Company, New Delhi
Modern Inorganic Chemistry	RD.Madan, Malik, GD.Tuli	2013(3)& Sultan Chand & Company, New Delhi

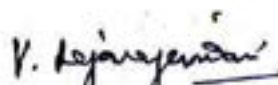
Unit No	Topics	No. of hours	Proposed days/date	Remarks- Faculty/ Teaching aids
I	s-BLOCK ELEMENTS General characteristics of s block elements, Chemical Properties.	3	12	Chalk &Talk
	Comparison of Li and Be with other members of the family. Resemblance of Li and Mg, diagonal relationship between Li and Mg, Be and Al.	4		
	Uses of alkali metals and alkaline earth metals. Extraction of Li and Be. Complexes of alkali metals- Wrap Around Complexes-crown ethers	3		
	Cryptates. Complexes of alkaline earth metals.	2		
II	p-BLOCK ELEMENTS General characteristics of p block elements, - anomalous properties of B- diagonal relationship between B and Si.	3	12	Chalk &Talk
	Preparation, properties, bonding and structure of diborane, borazine. Preparation Properties and uses of Complex hydrides -LiAlH ₄ , NaBH ₄ .	3		
	Comparison of C with Si. Structure of diamond, graphite, graphene and fullerenes. Intercalation compounds of graphite. Silicones and silicates (Classifications on the basis of structures only). Anamolous behavior of fluorine.	3		
	Basic properties of halogens. Pseudohalogens. General methods of preparation, properties and uses of Interhalogen compounds.	3		
III	d-BLOCK ELEMENTS General characteristics- electronic configuration, metallic character, ionization energy, Oxidation states, reducing property, colour, magnetic property, catalytic properties and tendency to form complexes.	4	12	Chalk &Talk
	Chemical properties of Titanium, Vanadium, Iron and Zinc.	4		

	Preparation, properties and uses of potassium permanganate, V_2O_5 , $Ni(DMG)_2$, CrO_3 , potassium dichromate, potassium ferrocyanide and Nessler's reagent.	4		
IV	f-BLOCK ELEMENTS Introduction- classification – position of Lanthanides in periodic table. Occurrence, General characteristics of f-block elements	4	12	Chalk &Talk
	Synthetic elements, comparative account of lanthanides and actinides – oxidation states, magnetic properties, colour and spectra, separation by ion exchange and solvent extraction method.	4		
	Lanthanide contraction – consequences and causes. Preparation, properties and uses of ceric ammonium sulphate,	3		
	Thorium dioxide, thorium nitrate, uranium hexafluoride, uranylacetate.	1		
V	METALS & METALLURGY Occurrence of metals- various steps involved in metallurgical process. Ores and minerals in lithosphere -Mineral wealth of India-	3	12	ppt
	Principles of metallurgy-concentration of ores – Hydraulic washing, Leaching, froth floatation, magnetic separation,	3		
	Calcination, roasting smelting, Electrometallurgy and Hydrometallurgy. Purification of metals – electrolysis, zone refining, van Arkel deBoer methods.	3		
	Extraction of the following metals in pure form - Ti, V, Th and U.	3		

Date of CIAs: As per college calendar/need based amendments.

Date:


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HoD

K. Lakshmi
Course Teacher

SRI SARADA COLLEGE FOR WOMEN (Autonomous)
TIRUNELVELI 627011
COURSE TEACHING/LECTURE/EXAM PLAN

Department	Name of the faculty/s for the course	Academic year	Class
Chemistry	R.Lakshmi Prabha	2023-2024	III.B.Sc.Chemistry
Semester	Course code	Course title	
V	22UCHC52	Stereochemistry & Heterocyclic Compounds	

Title of the book (Text/Reference)	Author/s	Edition & Publisher
Stereo Chemistry, Confirmation and Mechanism	P.S.Kalsi	2006 (6)& New age International (P) Ltd NewDelhi
Organic Chemistry	Bahl and Arun Bahl	2006 (18)& S. Chand and Sons, New Delhi

Unit No	Topics	No. of hours	Proposed days/date	Remarks- Faculty/ Teaching aids
I	Dyes & Polynuclear Hydrocarbons Dyes - colour and constitution - chromophore -auxochrome theory,	2	15	Chalk &Talk
	VB theory of colour. classification of dyes- Direct or substantive dyes, modern dyes classification based on chemical structure –	4		
	Preparation and uses of azo dyes - methyl orange, triphenyl methane dyes -malachite green, indigo dyes - Indigotin, anthraquinone dyes - alizarin, phthalein dyes – Phenolphthalein-	5		
	Preparation, properties and structure of Naphthalene&Anthracene	4		
II	Molecular Rearrangements Rearrangement to electron-deficient carbon – 1,2 shift (Wagner- Meerwein rearrangement, pinacol rearrangement,	5	15	Chalk &Talk
	Benzil-benzilic acid rearrangement). Aromatic rearrangements from oxygen to ring carbon (Fries rearrangement, Claisen rearrangement and benzidine rearrangement).	5		
	Rearrangement to electron-deficient nitrogen (Beckmann rearrangement, Schmidt rearrangement, Hofmann rearrangement, Curtius rearrangement).	5		
III	Stereochemistry Stereoisomerism – nomenclature of geometrical isomers – cis and trans isomerism – E and Z nomenclature –	4	15	Chalk &Talk
	Determination of configuration of the geometrical isomers – optical isomerism. Conditions for optical activity – symmetry elements – chirality	4		
	Definition of enantiomers, diastereomers, racemic mixture and meso compounds – optical isomerism of lactic acid, malic acid and tartaric acid. Fischer projection – Sawhorse projection- Newmann projection-configuration	4		
	Specification configuration- D and L notations –R and S notations – resolution – racemisation –Walden inversion and asymmetric synthesis.	3		
IV	Conformational Analysis of acyclic and Cycloalkanes Conformational study of ethane, n-butane and 1,2-	5	15	Chalk &Talk

	dichloroethane, spectral evidence for the preferred conformations,			
	Relative stability of cycloalkanes from cyclopropane up to cyclooctane	5		
	Bayer's strain theory – limitations and its modification. Conformational analysis of cyclohexane, cyclohexanone and decalins.	5		
V	Heterocyclic Compounds Molecular orbital picture and aromatic characteristics of pyrrole, furan, thiophene and pyridine. Comparison of basicity of pyridine, piperidine and pyrrole.	5	15	Chalk & Talk
	Methods of synthesis and chemical reactions with particular emphasis on the mechanism of electrophilic substitution and mechanism of nucleophilic substitution reaction in pyridine derivatives.	5		
	Preparation and reactions of indole, quinoline and isoquinoline with special reference to Fisher indole synthesis, Skraup synthesis and Bischler-Nepieralski synthesis,	3		
	Mechanism of electrophilic substitution reactions of indole, quinoline and isoquinoline	2		

Date of CIAs: As per college calendar/need based amendments.

Date:

Ramale
Principal

V. Dejenyendani
HOD

Paehni Patel
Course Teacher

SRI SARADA COLLEGE FOR WOMEN (Autonomous)
TIRUNELVELI 627011
COURSE TEACHING/LECTURE/EXAM PLAN

Department	Name of the faculty/s for the course	Academic year	Class
Chemistry	V.Raja Rajeswari	2023-2024	III.B.Sc.Chemistry
Semester	Course code	Course title	
V	22UCHC53	Electrochemistry and Phase Equilibria	

Title of the book (Text/Reference)	Author/s	Edition & Publisher
Principles of Physical Chemistry	Puri, Sharma and Pathania	2019 (48)& Vishal Publishing Co, Jalandhar
Text Book of Physical Chemistry	P.L.Soni	2011 (23)& Sultan Chand & Company, NewDelhi

Unit No	Topics	No. of hours	Proposed days/date	Remarks-Faculty/ Teaching aids
I	Electrolytic Conductance Metallic and electrolytic conductance – Definitions of specific, equivalent and molar conductances – Relations between them.	1	15	Chalk &Talk
	Measurement of conductance and cell constant. Variation of conductance with dilution – Qualitative explanation– Strong and weak electrolytes	2		
	Migration of ions – transport number – determination by Hittorf and moving boundary methods – Kohlrausch's law – applications.	3		
	Calculation of equivalent conductance for weak electrolytes and determination of transport number. Ionic mobilities and ionic conductances. Diffusion and ionic mobility- molar ionic conductance and viscosity- Walden rule.	3		
	Applications of conductance measurements – Degree of dissociation of weak electrolytes – Determination of Ionic product of water – Determination of solubility of sparingly soluble salts	3		
	Conductometric titrations- Theory of strong electrolytes – Debye – Huckel – Onsagertheory- verification of Onsager equation – Wein and Debye –Falkenhagen effect.	3		
II	Electrochemical Cells Electrochemical series – single electrodes and electrode potentials – oxidation and reduction potentials.	1	15	Chalk &Talk
	Thermodynamics and electromotive forces: relation between chemical and electrical energies – calculation of different values of ΔG – calculation of emf – Nernst equations for both oxidation and reduction.	3		
	Standard electrode potential and its characteristics – types of electrodes: metal- metal ion – Gas – metal-insoluble salt – redox– glass electrode. Electrochemical cells:	4		
	Chemical cells-definition – cell reaction and representation of electrodes and cells, emf of cells – conventions regarding signs of emf calculations of cell emf with the aid of Nernst equation.	4		
	Experimental determination of emf of cells. Measurements of singleelectrode potentials – calculations of $\Delta G, \Delta H, \Delta S$ and equilibrium constant from EMF	3		

III	Applications of EMF Measurements Determination of solubility product of a sparingly soluble salts- determination of pH using hydrogen electrode, glass electrode, calomel electrode and quinhydrone electrode	4	15	Chalk &Talk
	Determination of degree of hydrolysis - determination of valency of the ion - potentiometric titrations-acid-base, redox, precipitation titrations - determination of transport number.	4		
	Commercial cells-primary and secondary cells-Weston-cadmium cell and lead storage cells, Fuel Cells: H ₂ O ₂ fuel cells-over voltage, decomposition potential.	4		
	Hydrogen over voltage-theories of electrolyte-separation of metals- electrochemical principle of corrosion and passivity. Elementary idea of polarography.	3		
IV	Solutions Kinds of solutions - methods for expressing concentration - Molarity, molality, mole fraction, normality, mass fraction, parts per million	1	15	Chalk &Talk
	Solutions of gases in liquid -Solubility of gases in liquids - Henry's law - statement and limitations. Solutions of liquid in liquid- Binary liquid mixture - Ideal and non ideal solutions	3		
	Raoult's law. - deviation from ideal behavior - pressure - composition and temperature - Composition diagrams for completely miscible binary solutions	3		
	Fractional distillation -Azeotropic distillation-nature of azeotropic mixtures-partially miscible liquids-consolute temperature- critical solution temperature	4		
	System with upper CST,lowerCST and upper and lower CST -Liquid crystals, Nematic, Sematic and cholestic types and their applications.	4		
V	Phase Equilibria Phase rule - phase, component, degree of freedom - thermodynamic derivation of phase rule, One-component system: Phase diagrams of Water and sulphur systems.	4	15	Chalk &Talk
	Two component system: (i) Simple eutectic: Lead-silver system and potassium iodide-water system.	3		
	(ii) Formation of compound with congruent melting point: Magnesium - zinc system and ferric chloride - water system. DistributionLaw	3		
	Statement and thermodynamic derivation-association of the solute in one of the solvents	2		
	Dissociation of the solute in one of the solvents-applications of the distribution law-solvent extraction.	3		

Date of CIAs: As per college calendar/need based amendments.

Date:

Ramale
Principal

V. Devarajendran
HOD

V. Devarajendran
Course Teacher

SRI SARADA COLLEGE FOR WOMEN (Autonomous)
TIRUNELVELI 627011
COURSE TEACHING/LECTURE/EXAM PLAN

Department	Name of the faculty/s for the course	Academic year	Class
Chemistry	R.Kaliswari	2023-2024	III B.Sc Chemistry
Semester	Course code	Course title	
V	19UCHE51A	Polymer Chemistry	

Title of the book (Text/Reference)	Author/s	Edition & Publisher
Text book of Polymers-volume II	M.S. Bhatnagar	2004 (1) S.Chand Publishing ltd, New Delhi
Text book of Polymer Science	F. N. Billmeyer	2010 (3) John Wiley ltd, New Delhi

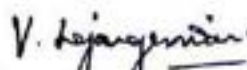
Unit No	Topics	No. of hours	Proposed days/date	Remarks-Faculty/ Teaching aids
I	Introduction to Polymers Monomers, Oligomers, Polymers and their characteristics	1	12	Chalk and Talk
	Classification of polymers : Natural synthetic, linear, cross linked and network; plastics, elastomers, fibres, Homopolymers and Co-polymers Bonding in polymers : Primary and secondary bond forces in polymers; cohesive energy and decomposition of polymers.	4		
	Chemistry of polymerization: Chain polymerization, free radical, ionic, co-ordination, step polymerization, polyaddition and polycondensation,	4		
	Miscellaneous ring opening and group transfer polymerizations. Polycondensation-non catalysed, acid catalysed polymerization, Step growth polymers, Degrees of polymerization	3		
II	Characteristics of Polymers Glass transition temperature (T _g) - definition – Factors affecting T _g – relationships between T _g and molecular weight and melting point. Importance of T _g .	3	12	PPT
	Determination of Molecular mass of polymers: Number Average molecular mass (M _n) and Weight average molecular mass (M _w) of polymers and determination by (i)viscosity (ii) Light scattering method (iii)Gel Permeation Chromatography (iv) Osmometry and ultracentrifuging.	4		
	Chemical reaction : hydrolysis - hydrogenation - addition - substitution – cross-linking, vulcanisation and cyclisation reactions. Polymer degradation basic idea of thermal, photo and oxidative degradation of polymers	5		

III	Polymerisation Techniques & Processing Bulk, Solution, Emulsion, Suspension, Melt polycondensation, solution polycondensation, interfacial and gas phase polymerization.	4	12	PPT
	Polymer Processing :Polymer Additives: Fillers, Plasticizers antioxidants and thermal stabilizers fire retardants and colourants.	4		
	Processing Techniques: Calendaring, die casting, compression moulding, injection moulding, blow moulding, extrusion moulding and reinforcing. Filmcasting, Thermoforming, Foaming.	4		
IV	Chemistry of Some Commercial Polymers Raw material, preparation, fibre forming polymers, elastomeric material.	3	12	PPT
	Thermoplastics: Polyethylene, Polypropylene, polystyrene, Polyacrylonitrile, Poly Vinyl Chloride, Poly tetrafluoro ethylene, nylon and polyester.	3		
	Thermosetting Plastics: Phenol formaldehyde urea formaldehyde resin, melamine formaldehyde, epoxy resin and polycarbonate.	3		
	Elastomers Natural rubber and synthetic rubber - Buna - N, Buna-S and neoprene.	3		
V	Advances in Polymer Biopolymers - Biomedical polymers - contact lens, dental polymers, artificial heart, kidney, skin and blood cells	5	12	Chalk and Talk
	High temperature and fire resistant polymers - silicones - conducting polymers - (elementary idea) - polysulphur nitrile,	4		
	Polyphenylene, polypyrrole and polyacetylene. Polymer industry in India	3		

Date of CIAs: As per college calendar/need based amendments.

Date:


Principal


HOD

R. KALISWARI
Course Teacher

SRI SARADA COLLEGE FOR WOMEN (Autonomous)
TIRUNELVELI 627011
COURSE TEACHING/LECTURE/EXAM PLAN

Department	Name of the faculty/s for the course	Academic year	Class
Chemistry	R.Kaliswari	2023-2024	III B.Sc Chemistry
Semester	Course code	Course title	
V	19UCPD51	Personality Development	

Title of the book (Text/Reference)	Author/s	Edition & Publisher
Organisational Behaviour	Stephan P.Robbins,	2008 (10) & Prentice Hall of India Private Limited, New Delhi
Oragnisational Behaviour	Jit S. Chandan	2008 (3) & Vikas Publishing House Private Limited

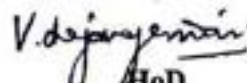
Unit No	Topics	No. of hours	Proposed days/date	Remarks- Faculty/ Teaching aids
I	PERSONALITY Definition – Determinants – Personality Traits –Theories of Personality – Importance of Personality Development.	2	6	Power point Presentation
	SELF AWARENESS – Meaning – Benefits of Self – Awareness – Developing Self – Awareness. SWOT – Meaning – Importance- Application – Components.	2		
	GOAL SETTING Meaning- Importance – Effective goal setting – Principles of goal setting – Goal setting at the Right level.	2		
II	SELF MONITORING Meaning – High self – monitor versus low self monitor – Advantages and Disadvantages self monitor- Self – monitoring and job performance.	2	6	Power point Presentation
	PERCEPTION- Definition- Factor influencing perception- Perception process –Errors in perception – Avoiding perceptual errors.	2		
	ATTITUDE – Meaning- Formation of attitude – Types of attitude - Measurement of Attitudes – Barriers to attitude change – Methods to attitude change.	2		
III	ASSERTIVENESS - Meaning – Assertiveness in Communication – Assertiveness Techniques – Benefits of being Assertive – Improving Assertiveness.	2	6	Power point Presentation
	TEAM BUILDING Meaning – Types of teams – Importance of Team building- Creating Effective Team. LEADERSHIP – Definition – Leadership style- Theories of leadership – Qualities of an Effect leader.	2		
	NEGOTIATION SKILLS – Meaning – Principles of Negotiation – Types of Negotiation – The Negotiation Process – Common mistakes in Negotiation process.	2		
	CONFLICT MANAGEMENT – Definition- Types of Conflict- Levels of Conflict – Conflict Resolution – Conflict management .	2		

IV	COMMUNICATION Definition – Importance of communication – Process of communication - Communication Symbols – Communication network – Barriers in communication – Overcoming Communication Barriers.	2	6	Power point Presentation
	TRANSACTIONAL ANALYSIS – Meaning – EGO States – Types of Transactions – Johari Window- Life Positions. EMOTIONAL INTELLIGENCE - Meaning – Components of Emotional Intelligence- Significance of managing Emotional intelligence – How to develop Emotional Quotient.	2		
	STRESS MANAGEMENT – Meaning – Sources of Stress – Symptoms of Stress – Consequences of Stress – Managing Stress	2		
V	Swami Vivekananda on Personality Development. Laws of personality development - different layers of personality - purity, patience and perseverance - unselfishness - be brave - faith - ethics - the power of concentration - inspire liberation from inertia - sense of equality	2	6	Power point Presentation
	Top five dimensions of personality development are: 1. Physical self 2. Energy self 3. Intellectual self 4. Mental self 5. Blissful self.	2		
	Faith, dutifulness, compassion, good thoughts, character, non-attachment, helping nature, fearlessness, love, wisdom, spirituality, responsibility, truth, strength within, the company of the good etc. are some traits recommended by Vivekananda for personality development. Self-help is the foundation that makes the building of personality development.	2		

Date of CIAs: As per college calendar/need based amendments.

Date:


Principal


HoD

R. KALISWARI
Course Teacher

SRI SARADA COLLEGE FOR WOMEN (Autonomous)
TIRUNELVELI 627011
COURSE TEACHING/LECTURE/EXAM PLAN

Department	Name of the faculty/s for the course	Academic year	Class
Chemistry	R.Kaliswari	2023-2024	III B.Sc Chemistry
Semester	Course code	Course title	
V	19UCHCP51	Chemistry for Competitive Examinations & Project	

Title of the book (Text/Reference)	Author/s	Edition & Publisher
Objective Chemistry	Dr.R.K.Gupta	2002 (1)& Cyber Tech Publication, New Delhi
General Chemistry	Ebbing, Gammon	2007 (9)& Houghton Mifflin Company, New York

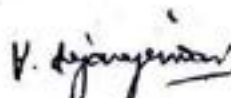
Unit No	Topics	No. of hours	Proposed days/date	Remarks- Faculty/ Teaching aids
I	Inorganic Chemistry 1. Periodic table of elements: periodic classification of elements, Periodic properties, Methods of isolation and Purification of elements 2. Chemical Bonding and Molecular structure: types of bonding, VSEPR model and shapes of molecules, Hybridisation, dipole moment.	2	6	Power point Presentation
	3. Acids and Bases – Acids – bases – theories of acids and bases – pH. Hydrogen: Hydrogen-Hydrides-Water- Hydrogenperoxide 4. Lighter, Heavier metals: Alkali metals, Alkali earth metals and heavier metals- some of their compounds	2		
	5. Chemistry of main block elements: General idea of elements- Groups from 1 to 18- Their properties and general trends. d and f block elements: Electronic configuration, Characteristics and general properties.	2		
II	Organic Chemistry 1. Some basic principles: Tetra covalency of Carbon-IUPAC nomenclature- Functional groups 2. Reaction intermediates: Carbocation, Carbanion, Freeradicals-Carbenes. 3. Chemistry of Alcohols Phenols and Ethers: Methods of Preparation- Physical, Chemical properties and uses- some commercially important compounds	2	6	Power point Presentation

	<p>4 Chemistry of Aldehydes, Ketones and Carboxylic acids: Methods of preparation- Physical, Chemical properties and uses- some commercially important compounds</p> <p>5 Biomolecules: Carbohydrates, Proteins, Vitamins Fats, Aminoacids</p>			
III	<p>Physical Chemistry</p> <p>1 Atomic Structure: Fundamental particles, Bohr's theory of hydrogen like atoms- Uncertainty principle- Quantum numbers- shapes of orbitals- Hund's rule and Pauli's exclusion principle</p>	2	6	Power point Presentation
	<p>2 States of matter: Gaseous state, Measurable Properties- Gas laws and ideal gas equation Solid State: Solid state- classification- defects.</p> <p>3 Laws of Thermodynamics: Some basic concepts- Intensive and Extensive properties-Laws.</p>	2		
	<p>4 Solutions: Various concentration units- Solubilities of gases- Vapour pressure – Raoult's law- Colligative properties- Abnormal molar mass. Surface Chemistry: Adsorption- catalysis- colloids- their preparation, properties and types- Emulsions.</p>	2		

Date of CIAs: As per college calendar/need based amendments.

Date:


Principal


HoD

R. KALISWARI
Course Teacher

SRI SARADA COLLEGE FOR WOMEN (Autonomous)
THIRUNELVELI 627011
COURSE TEACHING/LECTURE/EXAM PLAN

Department	Name of the faculty/s for the course	Academic year	Class
Computer Science	E. RAJALAKSHMI	2023-2024	III Sc Computer Science
Semester	Course code		Course title
I	22UCNS11		Python Programming

Title of the book (Text/Reference)	Author/s	Edition & Publisher
"Python Programming using problem solving approach"	Reema Thareja,	First Edition, 2017, Oxford University Press.
"Core Python Programming"	Dr. R. NageswaraRao	First Edition, 2017, Dream tech Publishers.

Unit No	Topics	No. of hours	Proposed days/date	Remarks- Faculty/ Teaching aids
I	Basics of Python Programming: History of Python-Features of Python-Literal-Constants-Variables	2	12	Lecture
	Identifiers- Keywords-Built-in Data Types-Output Statements - Input Statements-Comments	4		
	Indentation- Operators-Expressions-Type conversions	3		
	Python Arrays: Defining and Processing Arrays - Array methods	3		
II	Control Statements: Selection/Conditional Branching statements	3	12	Lecture
	if, if-else, nested if and if-elif-else statements, Iterative Statements	3		
	while loop, for loop, else suite in loop and nested loops	3		
	Jump Statements: break, continue and pass statements.	3		
III	Functions: Function Definition - Function Call - Variable Scope and its Lifetime-Return Statement	3	12	Lecture, PI
	Function Arguments: Required Arguments, Keyword Arguments, Default Arguments and Variable Length Arguments-Recursion.	3		
	Python Strings: String operations- Immutable Strings - Built-in String Methods and Functions - String Comparison	3		
	Python Strings: String operations- Immutable Strings - Built-in String Methods and Functions - String Comparison	3		
IV	Lists: Creating a list -Access values in List-Updating values in Lists-Nested lists	3	12	Lecture, PPT
	Basic list operations-List Methods. Tuples: Creating, Accessing, Updating and Deleting Elements in a tuple - Nested tuples- Difference between lists and tuples	3		
	Dictionaries: Creating, Accessing, Updating and Deleting Elements in a Dictionary	3		
	Dictionary Functions and Methods - Difference between Lists and Dictionaries.	3		
V	Python File Handling: Types of files in Python - Opening and Closing files	3	12	Lecture,PPT
	-Reading and Writing files: write() and writelines() methods-append() method	3		
	read() and readlines() methods - with keyword - Splitting words	3		
	File methods - File Positions- Renaming and deleting files.	3		

Date of CIAs: As per college calendar/need based amendments.

Date:


Principal



E. RAJALAKSHMI,
Course Teacher

SRI SARADA COLLEGE FOR WOMEN (Autonomous)
THIRUNELVELI-627011
COURSE TEACHING/LECTURE/EXAM PLAN

Department	Name of the faculty/s for the course	Academic year	Class
Computer Science	N VENNELA	2023-2024	III B.Sc. Computer Science
Semester	Course code		Course title
I	211X3001		Digital Design Fundamentals

Title of the book (Text/Reference)	Author/s	Edition & Publisher
Digital Principles and Applications	Albert Paul Malvink Donald P. Leach	Tata Mcgraw Hill Education Private Limited
Fundamentals of Digital Circuits	A Anand Kumar	Second Edition, PHI Learning Private Limited
Digital Design	M Morris Mano	Third Edition, Pearson Education

Unit No	Topics	No. of hours	Proposed days/date	Remarks- Faculty/Teaching aids
I	Number Systems and codes: Binary Number System - Octal, Hexa-decimal	2	12	Lecture
	BCD Codes - Number System Conversion Number Systems	4		
	Arithmetic operations-Binary codes - Boolean Algebra	3		
II	Digital System: Digital systems - binary numbers - number base conversion - Octal and hexa decimal numbers -	3	12	Lecture
	- complements - signed binary numbers - binary codes - registers - binary logic.	3		
	Boolean algebra: Introduction - basic definition - axiomatic definition of Boolean algebra - basic theorem and properties and of Boolean algebra - Boolean functions	3		
III	Logic gates: Canonical and standard forms - other logic operations - digital logic gates and integrated circuits	3	12	Lecture, PPT
	Gate-Level minimization: Introduction: The Map method - Four- variable Maps -Five-variable Map	3		
	Product -of-sums simplifications- Don't conditions	3		
IV	Combinational Logic: Introduction - Combinational circuits - Analysis Procedure - Design Procedure	3	12	Lecture, PPT
	Edge Triggered JK- Binary Adder - Subtractor - Decimal Adder - Binary Multiplier - Magnitude Comparator.	3		
	Memory: Introduction - Random access memory Flip Flops - JK Master Slave Flip Flops.	3		
	Memory Decoding - Error Detection and Correction - Read Only Memory	3		
V	Decoders and Encoders, Multiplexers, Registers and Counters: Registers - Shift Registers - Ripple Counters - Synchronous Counters - other counters	3	12	Lecture,PPT
	Synchronous Sequential Logic: Introduction -Sequential Circuits - Storage Element Latches - Storage Element Flip-Flops - Analysis of Clocked Sequential Circuits	3		

Date of CIAs: As per college calendar/need based amendments.

Date:


Principal


HoD


N. Vennela
Course Teacher

SRI SARADA COLLEGE FOR WOMEN (Autonomous)
TIRUNELVELI 627011
COURSE TEACHING/LECTURE/EXAM PLAN

Department	Name of the faculty/s for the course	Academic year	Class
Computer Science	B.BHUVANESWARI	2023-2024	II B.Sc Computer Science
Semester	Course code	Course title	
III	22UCSC31	Core Java	

Title of the book (Text/Reference)	Author/s	Edition & Publisher
Java, The Complete Reference	Herbert Schildt	2011(8th) & Tata McGrawHill Education
Java Programming A Practical Approach	C.Xavier	2011 & Tata McGrawHill Education
Programming in Java	Sachin Malhotra, Saurabh Choudhary	2018(2) & OXFORD University Press

Unit No	Topics	No. of hours	Proposed days/date	Remarks-Faculty/Teaching aids
I	Data types, Variables and Array: Primary types - Integers - Floating point types-Characters - Booleans - A Closer Look at Literals	3	12	Lecture
	Variables - Types conversion and Casting - Automatic type Promotion in Expressions - One Dimensional Arrays - Multidimensional Arrays.	3		
	Operators: Arithmetic Operators - Bitwise operators - Relational operators - Boolean Logical Operators	3		
	Assignment Operator - Conditional Operators - Operator Precedence - Using Parentheses.	3		
II	Introducing Classes: Class Fundamentals - Declaring Objects-Assigning Object Reference Variables - Introducing Methods	3	12	Lecture
	Constructors - Garbage Collection - finalize() Method. A Closer Look at Methods and Classes: Overloading Method - Using Object as Parameters-Argument Passing	2		
	Returning Objects - Recursion - Introducing Access Control - Understanding Static -	2		
	Introducing final - Nested and Inner classes - String Class - Using Command line arguments.	2		
	Inheritance: Inheritance Basics - Using super - Creating Multilevel Hierarchy - Method Overriding - Dynamic Method Dispatch	2		
Using Abstract Classes- Using final with Inheritance	1			
III	Packages and Interfaces: Packages - Access Protection - Importing Packages - Interfaces.	3	12	Lecture, PPT
	Exception Handling: Introduction - Exception Types - Using try and catch - Multiple catch Clauses	2		
	Nested try Statements - throw- throws - finally.	2		
	Multithreaded Programming: Java Thread Model-Main Thread-Creating a Thread	2		
	Creating Multiple Threads - Using is Alive() and join() - Thread Priorities.	3		
IV	The Applet Class: Basics - Architecture - Skeleton - Display Methods - Requesting Repainting	3	12	Lecture, PPT
	HTML APPLET tag - Passing Parameters to applet. Event Handling: Event Handling Mechanisms -	3		
	Delegation Event Model - Event Classes- Sources of Events	3		
	Event Listener Interfaces - Handling Mouse Events and Keyboard Events	3		
V	Introducing the AWT: AWT Classes - Window fundamentals-Working with Frame Windows - Working with Graphics	3	12	Lecture
	Working with Color- Working with Fonts. Using AWT Controls: Controls Fundamentals - Labels	3		
	Using Buttons - Applying Check Boxes - Check Box Group - Choice Controls	3		
	Using Text field- Using a Text Area -Understanding Layout Managers - (Flow Layout Only)	2		
	Menu Bars and Menus- Dialog Boxes	1		

Date of CIAs: As per college calendar/need based amendments.

Date:

Kamala
Principal

Deviya
HoD

B. Bhuvanewar
Course Teacher

SRI SARADA COLLEGE FOR WOMEN (Autonomous)
TIRUNELVELI 627011
COURSE TEACHING/LECTURE/EXAM PLAN

Department	Name of the faculty/s for the course	Academic year	Class
Computer Science	E.RAJALAKSHMI	2023-2024	II B.Sc Computer Science
Semester	Course code	Course title	
III	22UCSC32	Computer Architecture	

Title of the book (Text/Reference)	Author/s	Edition & Publisher
Computer system Architecture	Morris Mano	Third Edition, P.H.I Private Limited.
Computer System Architecture	P.V.S. Rao	PHI
Computer Architecture	Nirmala Sharma	First Edition, 2009, University Science Press

Unit No	Topics	No. of hours	Proposed days/date	Remarks-Faculty/ Teaching aids
I	Basic Computer Organisation And Design : Instruction codes	3	12	Lecture, PPT
	Computer Registers - Computer Instructions	3		
	Timing and Control - Instruction Cycle	3		
	Control Memory-Address Sequencing	3		
II	Central Processing Unit : General Register Organization	3	12	Lecture, PPT
	Stack Organization	2		
	Instruction Formats	3		
	Addressing Modes – Data transfer and manipulation	2		
	Program Control	2		
III	Computer Arithmetic: Hardware Implementation	3	12	Lecture, PPT
	Algorithm for Addition, Subtraction	2		
	Multiplication, Division	2		
	Booth Multiplication Algorithm	2		
	Floating Point Arithmetic.	3		
IV	Input Output Organization : Input – Output Interface	3	12	Lecture, PPT
	Asynchronous data transfer	3		
	Modes of transfer	3		
	Priority Interrupt – Direct Memory Access (DMA).	3		
V	Memory Organisation: Memory Hierarchy Main memory	3	12	Lecture, PPT
	Auxillary memory	3		
	Associative memory	3		
	Cache memory	2		
	Virtual memory.	1		

Date of CIAs: As per college calendar/need based amendments.

Date:


Principal


HOD

E. RAJALAKSHMI
Course Teacher

SRI SARADA COLLEGE FOR WOMEN (Autonomous)
TIRUNELVELI 627011
COURSE TEACHING/LECTURE/EXAM PLAN

Department	Name of the faculty/s for the course	Academic year	Class
Computer Science	N.VENNILA	2023-2024	II B.Sc Computer Science
Semester	Course code	Course title	
III	22UCSA31	Data Structures	

Title of the book (Text/Reference)	Author/s	Edition & Publisher
Classic Data Structures	Debasis Samantha	2009(2) & PHI Learning Private Limited
Data Structures, A pseudo code approach with C++	Richard F. Gilberg and Behrouz A Forouzon	2001(1) & Thomson Publications
Data Structures Using C++	Varsha H. patil	2012(1) & OXFORD University Press

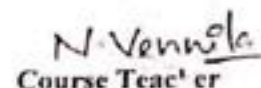
Unit No	Topics	No. of hours	Proposed days/date	Remarks- Faculty/ Teaching aids
I	Introduction and Overview: Definition - Concept of Data Structures - Overview of Data Structures - Implementation of Data Structures - Organization of the Book.	3	12	Lecture
	Arrays and Tables: Definition - Terminology - One - Dimensional Array- Multidimensional Array.	3		
	Tables: Rectangular Tables - Jagged Tables	3		
	Inverted Tables - Hash Tables - Problem to Ponder	3		
II	Linked Lists: Definition - Single Linked List - Circular Linked List	4	12	Lecture
	Memory Representation - Boundary Tag System - Deallocation Strategy	4		
III	Stacks and Queues : Introduction - Definition - Representation of a Stack	4	12	Lecture, PPT
	Operations on Stacks - Applications of Stacks	4		
	Queues: Introduction - Definition -	4		
	Representation of Queues - Various Queue Structures	4		
IV	Trees: Basic Terminologies - Definition and concepts	4	12	Lecture, PPT
	Representations of Binary Tree - Operations on a Binary Tree	4		
	Types of Binary Trees - Expression Tree	4		
	Binary Search Tree - Heap Trees.	4		
V	Graphs: Introduction - Graph Terminologies	4	12	Lecture
	Representation of Graphs - Operations on Graphs	4		
	Application of Graph Structures. Sorting Techniques	4		
	Quick Sort - Merge Sort	4		

Date of CIAs: As per college calendar/need based amendments.

Date:


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Course Teacher

SRI SARADA COLLEGE FOR WOMEN (Autonomous)
TIRUNELVELI 627011
COURSE TEACHING/LECTURE/EXAM PLAN

Department	Name of the faculty/s for the course	Academic year	Class
Computer Science	M.Vijayalakshmi	2022-2-23	II B.Sc Computer Science
Semester	Course code	Course title	
III	22UCSS31	Internet Programming	

Title of the book (Text/Reference)	Author/s	Edition & Publisher
Web Technology	N.P Gopalan , J.Akilandeswari	2010 & PHI
The Complete Reference PHP	Steven Holzner	2015 & McGrawHill Education
VBSCRIPT scripting language	www.tutorialspoint.com	2016 & Wiley

Unit No	Topics	No. of hours	Proposed days/date	Remarks- Faculty/ Teaching a ds
I	Introduction: What is internet?-History of Internet -Internet Services And Accessibility-Uses of the internet	2	12	Lecture
	Protocols - Web concepts- Client/Server model at the web-retrieving data from the web.	4		
	Internet Protocols: Introduction-Internet Protocols-Transmission Control Protocols	3		
	User datagram protocols- Host names - Internet Applications and Application Protocols	3		
II	HTML: Introduction - SGML-DTD-DTD Elements-Attributes	3	12	Lecture
	Outline of an HTML Document-Head Section	2		
	Body Section-HTML forms .Dynamic HTML: Introduction	2		
	Cascading Styles Sheets-DHTML Document Object Model and Collections	3		
	Event Handling-Filters and Transitions	2		
III	Java script: Introduction -Language elements-objects of Java script-other objects -arrays	3	12	Lecture, PPT
	VBSCRIPT: Introduction-Embedding VBScript code in an HTML Document	2		
	Comments -Variables - Operators - Procedures	2		
	Conditional Statements - Looping Constructs	2		
	Objects and VBScript -Cookies	3		
		3		
IV	Introducing DHTML: Introduction-cascading style sheets-properties of tag	3	12	Lecture, PPT
	other style properties-inline style sheets- embedded style sheets	3		
	Extended style sheets-grouping- inheritance	3		
	contextual selectors- positioning-pointers	3		
V	Features of VB script -version-whitespace Line space-formatting	3	12	Lecture,PPT
	VB script in Internet Explorer-in HTML file-VB script in placement QTP	3		
	variables-scope of values-declaration-operators	1		
	decision making operators.- vb script events	2		
	VB Script cookies-strings-arrays	3		
		3		

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M.VIJAYALAKSHMI
Course Teacher

SRI SARADA COLLEGE FOR WOMEN (Autonomous)
TIRUNELVELI 627011
COURSE TEACHING/LECTURE/EXAM PLAN

Department	Name of the faculty/s for the course	Academic year	Class
Computer Science	Dr.K.AMUTHA	2023-2024	III B.Sc. Computer Science
Semester	Course code	Course title	
V	19UCSC51	Software Engineering	

Title of the book (Text/Reference)	Author/s	Edition & Publisher
Fundamentals Of Software Engineering	Rajib Mall	2014 (4). Prentice Hall of India Learning Private Limited

Unit No	Topics	No. of hours	Proposed days/date	Remarks- Faculty/ Teaching aids
I	Introduction: Software Engineering Discipline - Evolution and Impact - Programs Vs. Software Products - Emergence of Software Engineering - Change in Software Development Practices - Computer Systems Engineering	4	12	Lecture
	Software Life cycle Models: Use of a Life Cycle Models - Classical Waterfall Model - Iterative Waterfall Model - Prototyping Model - Evolutionary Model - Spiral model.	4		
	Responsibility of a Software Project Manager - Project Planning - Metrics for Project Size Estimation - Project Estimation Techniques - Risk Management - Software Configuration Management	4		
II	Requirements Analysis and Specification: Requirements Gathering And Analysis	4	12	Black board
	Software Requirements Specification (SRS) - Formal System Development Techniques.	4		
	Characteristics of a Good Software Design - Cohesion and Coupling - Neat Arrangement - SoftwareDesignApproaches.	4		
III	Function Oriented Software Design: Overview of SA/SD Methodology Structured Analysis - Data Flow Diagrams (DFDs) - Structured Design	4	12	Lecture, PPT
	Details Design-Design Review. Object Modeling Using UML: Overview of Object Oriented Concepts - UML.	4		
	UML Diagrams - Use Case Model - Class Diagrams -Interaction Diagrams - Activity Diagrams - State Chart Diagram.	4		
IV	User Interface Design: Characteristics of a Good User Interface - Basic Concepts	4	12	PPT, Black board
	Types of User Interfaces - Component - Based GUI Development. Coding and Testing: Coding	4		
	Testing - UNIT Testing - Black-Box Testing - White - Box Testing - Debugging- Integration Testing - System Testing.	4		
V	Statistical Testing: Software Quality - Software Quality Management System - ISO 9000. Computer Aided SoftwareEngineering:	4	12	Lecture, PPT
	CASE Environment-CASE support in Software Life Cycle - Characteristics of CASE Tools - Architecture of a CASE Environment. Software Maintenance: Characteristics of Software Maintenance	4		
	Software Reverse Engineering - Software Maintenance Process Models - Estimation of Maintenance Cost. Software Reuse: Issues in any Reuse Program - Reuse Approach.	4		

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SRI SARADA COLLEGE FOR WOMEN (Autonomous)
THIRUNELVELI 627011
COURSE TEACHING/LECTURE/EXAM PLAN

Department	Name of the faculty/s for the course	Academic year	Class
Computer Science	S.RAMALAKSHMI	2023-2024	III B Sc Computer Science
Semester	Course code	Course title	
V	2210/SC52	Relational Database Management Systems	

Title of the book (Text/Reference)	Author/s	Edition & Publisher
Database system concepts	Abraham silberschatz, Henry F. Heath and Sudarshan	2006(6), McGraw-hill international
Essentials of Database Management Systems	Alexis.com Mathewsl	Vijay Nicole Inquints Pvt Ltd
Oracle8i	Jose A Ramalho	2000 (1), HPD publications

Unit No	Topics	No. of hours	Proposed days/date	Remarks-Faculty/ Teaching aids
I	Introduction: Database-System application-purpose of database systems-views of data-database languages	4	12	Lecture, Black Board
	Relational databases -database design-data storage and querying- transaction management-database architecture	4		
	Data mining and information retrieval-specialty databases-database usersand administrators.	4		
II	Introduction to the relational model and introduction to SQL: Structure of relational databases-database schema-keys-Schema diagrams-relational query language-relational operations-	4	12	Lecture, PPT
	Overview of the SQL query language-SQL data definition-basic structure of SQL queries.	4		
		4		
III	SQL operations and intermediate SQL: Additional basic operations-set operations-null values-aggregate functions	4	12	PPT
	Nested sub queries-join expression-views-transactions- integrity constraints- SQL data types and schemas	4		
	Authorization, Advanced SQL: Accessing SQL from a Programming Language	4		
IV	E-R Model and Relational Database Design: E-R- model-overview of the design process- the entity -relational ship model	3	12	Black Board
	Constraints-removing redundant attributed in entity sets-entity-relationship diagrams-reduction to relational schemas-	3		
	Entity-relationship design issues-extended E-R features. Features of good relational design	3		
	atomic domains Data Normalization.	3		
V	Implementation using Oracle: Creating table-modifying table-creating-SEQUENCE-creating views- -packages-	4	12	Lecture
	Indexes: Creating and Changing an Index.PL/SQL-triggers-stored procedures and functions	4		
	Cursors, Users, Privileges and Roles	4		

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S. RAMALAKSHMI
Course Teacher

SRI SARADA COLLEGE FOR WOMEN (Autonomous)
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COURSE TEACHING/LECTURE/EXAM PLAN

Department	Name of the faculty/s for the course	Academic year	Class
Computer Science	Dr.V.VALLINAYAGI	2023-2024	III B.Sc Computer Science
Semester	Course code	Course title	
V	19UCSC53	ASP.NET Programming	

Title of the book (Text/Reference)	Author/s	Edition & Publisher
The Complete Reference ASP.NET	Mathew MacDonald,	2017 & McGraw-Hill Education.
ASP.NET and VB.NET Programming.	Matt J.Crouch	2002 (1) & Pearson Education

Unit No	Topics	No. of hours	Proposed days/date	Remarks- Faculty/ Teaching aids
I	The .NET Framework and .NET Languages: The .NET programming Framework-VB.NET, C# and the .NET languages	3	12	Lecture
	VB.NET versus VBScript and Visual Basic 6 - The Common Language Runtime - The .NET Class Library - ASP.NET - Visual Studio .NET.	3		
	The .NET Languages - Data Types - Declaring Variables - Scope and Accessibility -	3		
	Variable Operations - Object -Based Manipulation - Functions and Subroutines	3		
II	Types, Objects and Namespaces The Basics about Classes - Value Types and References Types -Advanced Class Programming	4	12	Lecture, PPT
	Understanding Namespaces and Assemblies Setting up ASP.NET	4		
	IIS Web Servers and You - IIS Manager - Installing ASP.NET - Migrating from ASP	4		
III	ASP.NET Applications Introduction -code behind-The Global. Asax-Application	4	12	Black Board, Lecture
	File Understanding ASP.NET classes-ASP.NET configuration. Web Form Fundamentals.	4		
	A Simple page Applet-Improving the currency converter-A Deeper look at HTML control classes	4		
	The page class- Assessing HTML Server Controls.	4		
IV	Web controls Stepping up to web controls-Web Control Classes-AutoPostBack and Web Control Events	4	12	Black Board, Lecture & PPT
	A Simple web page Applet-Assessing web controls. Using Visual Studio.NET. The Promise of visual studio.NET	4		
	Starting a VisualStudio.NET project-The web form designer-Writing code-Visual Studio.NET debugging-Working without Visual Studio.NET.	4		
V	Validation and rich controls Validation:A Simple validation example-Understanding regular expressions	4	12	Lecture, PPT
	State Management The problem of state-view state-transferring information-Custom cookies-session state-Session state configuration-Application state.	4		
	Overview of ADO.NET : Introducing ADO.NET and data management-Characteristics of ADO.NET-The ADO.NET model.	4		

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SRI SARADA COLLEGE FOR WOMEN (Autonomous)
TIRUNELVELI 627011
COURSE TEACHING/LECTURE/EXAM PLAN

Department	Name of the faculty/s for the course	Academic year	Class
Computer Science	S.RAMALAKSHMI	2023-2024	III B.Sc Computer Science
Semester	Course code	Course title	
V	19UCPD51	Personality Development	

Title of the book (Text/Reference)	Author/s	Edition & Publisher
Personality Development,	Dr.S. NarayanaRajan, Dr. B. Rajasekaran, G. Venkadasalapathi, V. VijureshNayaham and Herald M.Dhas	Publication Division, Manonmaniam Sundaranar University, Tirunelveli
Organisational Behaviour	Stephan P.Robbins	Tenth Edition, Prentice Hall of India Private Limited
Organisational Behaviour	Jit S. Chandan	Vikas Publishing House Private Limited
From Campus to Corporate	Dr.K.K. Ramachandran and Dr.K.K. Karthick	Macmillan Publishers India Limited

Unit No	Topics	No. of hours	Proposed days/date	Remarks- Faculty/ Teaching aids
I	PERSONALITY - Definition	1	12	Lecture
	Determinants – Personality Traits	2		
	Theories of Personality – Importance of Personality Development.	2		
	SELF AWARENESS – Meaning – Benefits of Self – Awareness – Developing Self – Awareness.	2		
	SWOT – Meaning – Importance	1		
	Application – Components.	1		
	GOAL SETTING Meaning- Importance	1		
	Effective goal setting – Principles of goal setting	1		
	Goal setting at the Right level.	1		
II	SELF MONITORING – Meaning	1	12	Lecture
	High self – monitor versus low self monitor	2		
	Advantages and Disadvantages self monitor- Self –monitoring and job performance.	1		
	PERCEPTION- Definition- Factor influencing perception-	1		
	Perception process –Errors in perception – Avoiding perceptual errors.	2		
	ATTITUDE – Meaning- Formation of attitude – Types of attitude - Measurement of Attitudes	2		
	Barriers to attitude change – Methods to attitude change.	1		
	ASSERTIVENESS - Meaning – Assertiveness in Communication	2		
	Assertiveness Techniques – Benefits of being Assertive – Improving Assertiveness.	1		
III	TEAM BUILDING – Meaning –LEADERSHIP	1	12	Lecture
	Types of teams – Importance of Team building	2		
	Creating Effective Team.	1		
	Definition – Leadership style- Theories of leadership, Qualities of an Effect leader.	1		
	NEGOTIATION SKILLS – Meaning – Principles of Negotiation	1		
	Types of Negotiation – The Negotiation Process – Common mistakes in Negotiation process.	2		
	CONFLICT MANAGEMENT – Definition- Types of Conflict- Levels of Conflict	2		
	Conflict Resolution – Conflict management.	2		

IV	COMMUNICATION - Definition	1	12	Lecture
	Importance of communication - Process of communication -	1		
	Communication Symbols - Communication network	2		
	Barriers in communication - Overcoming Communication Barriers.	2		
	TRANSACTIONAL ANALYSIS - Meaning - EGO States - Types of Transactions -	1		
	Johari Window- Life Positions.	1		
	EMOTIONAL INTELLIGENCE- Meaning - Components of Emotional Intelligence	1		
	Significance of managing Emotional intelligence - How to develop Emotional Quotient.	1		
	STRESS MANAGEMENT - Meaning - Sources of Stress - Symptoms of Stress	1		
	Consequences of Stress - Managing Stress.	1		
V	SOCIAL GRACES - Meaning	1	12	PPT
	Social Grace at Work - Acquiring Social Graces. TABLE	2		
	MANNERS - Meaning	2		
	Table Etiquettes in Multicultural Environment- Do's and Don'ts of Table Etiquettes	2		
	DRESS CODE - Meaning- Dress Code for selected Occasions - Dress Code for an Interview.	1		
	GROUP DISCUSSION - Meaning - Personality traits required for Group Discussion-	1		
	Process of Group Discussion- Group Discussion Topics.	2		
	INTERVIEW - DefinitionTypes of skills - Employer Expectations	2		
	Planning for the Interview - Interview QuestionsCritical Interview Questions.	1		

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S. RAMALAKSHMI
Course Teacher

SRI SARADA COLLEGE FOR WOMEN (Autonomous)
TIRUNELVELI 627011
COURSE TEACHING/LECTURE/EXAM PLAN

Department	Name of the faculty/s for the course	Academic year	Class
Computer Science	M.VDALAKSHMI	2023-2024	1 M.Sc Computer Science
Semester	Course code	Course title	
I	23PCSC11	ANALYSIS&DESIGNOF ALGORITHMS	

Title of the book (Text/Reference)	Author/s	Edition & Publisher
"IntroducingPython"	O'Reilly, BillLubanovic	FirstEdition-SecondRelease,2014.
"LearningPython"	MarkLutz ,O'Reilly,.	FifthEdition, 2013.

Unit No	Topics	No. of hours	Proposed days/date	Remarks- Faculty/ Teaching aids
I	Introduction: - Algorithm Definition and Specification	4	15	Lecture
	Space complexity-Time Complexity- Asymptotic Notations	4		
	Elementary Data Structure: Stacks and Queues – Binary Tree	4		
	Binary Search Tree - Heap - Heapsort- Graph.	3		
II	Basic Traversal And Search Techniques	4	15	Lecture
	Techniques for Binary Trees-Techniques for Graphs	4		
	Divide and Conquer: - General Method	4		
	Binary Search – Merge Sort – Quick Sort.	3		
III	TheGreedyMethod -GeneralMethod	5	15	Lecture, PPT
	KnapsackProblem-MinimumCostSpanningTree	5		
	Single Source Shortest Path.	5		
IV	DynamicProgramming-GeneralMethod	3	15	Lecture, PPT
	MultistageGraphs-AllPairShortestPath	4		
	Optimal Binary Search Trees – 0/1 Knapsacks	4		
	Traveling Salesman Problem – Flow Shop Scheduling.	4		
V	Backtracking:-GeneralMethod-8-QueensProblem	3	15	Lecture,PPT
	SumOfSubsets-GraphColoring	4		
	Hamiltonian Cycles – Branch And Bound	4		
	- The Method – Traveling Salesperson	4		

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M. VIJAYALAKSHMI
Course Teacher

SRI SARADA COLLEGE FOR WOMEN (Autonomous)
TIRUNELVELI 627011
COURSE TEACHING/LECTURE/EXAM PLAN

Department	Name of the faculty/s for the course	Academic year	Class
Computer Science	Dr.V.VALLINAYAGI, S.RAJALAKSHMI	2023-2024	I M.Sc Computer Science
Semester	Course code	Course title	
I	23PCSC12		

Title of the book (Text/Reference)	Author/s	Edition & Publisher
"IntroducingPython"	O'Reilly, BillLubanovic	FirstEdition-SecondRelease,2014.
"LearningPython"	MarkLutz ,O'Reilly,.	FifthEdition, 2013.

Unit No	Topics	No. of hours	Proposed days/date	Remarks- Faculty/ Teaching aids
I	The Object Model: The Evolution of the Object Model	4	15	Lecture
	Elements of the Object Model – Applying the Object Model.	4		
	Classes and Objects: The Nature of an Object	4		
	Relationship among Objects.	3		
II	Classes and Object: Nature of Class – Relationship Among classes	4	15	Lecture
	The Interplay of classes and Objects. Classification	4		
	The importance of Proper Classification –identifying classes and objects	4		
	Key Abstractions and Mechanism	3		
III	IntroductiontoC++	2	15	Lecture, PPT
	InputandoutputstatementsinC++-	3		
	Declarations-controlstructures	4		
	Functions in C++.	6		
IV	ClassesandObjects	3	15	Lecture, PPT
	ConstructorsandDestructors–operatoroverloading	4		
	Type Conversion- Inheritance	4		
	Pointers and Arrays.	4		
V	MemoryManagementOperators	3	15	Lecture,PPT
	Polymorphism–Virtualfunctions	4		
	Files–Exception Handling	4		
	String Handling -Templates	4		

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SRI SARADA COLLEGE FOR WOMEN (Autonomous)
TIRUNELVELI 627011
COURSE TEACHING/LECTURE/EXAM PLAN

Department	Name of the faculty/s for the course	Academic year	Class
Computer Science	N.VENNILA	2023-2024	I M.Sc Computer Science
Semester	Course code	Course title	
I	23PCSC13	Python Programming	

Title of the book (Text/Reference)	Author/s	Edition & Publisher
IntroducingPython	O'Reilly, Bill Lubanovic	First Edition-Second Release, 2014
LearningPython	Mark Lutz, O'Reilly,	Fifth Edition, 2013

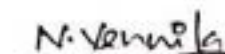
Unit No	Topics	No. of hours	Proposed days/date	Remarks- Faculty/ Teaching aids
I	Python: Introduction-Numbers-Strings	4	15	Lecture
	Variables-Lists	4		
	Tuples-Dictionaries	4		
	Sets- Comparison	3		
II	Code Structures: if, elseif, and else - Repeat with while	4	15	Lecture
	Iterate with for - Comprehensions - Functions	4		
	Generators - Decorators - Namespaces and Scope	4		
	Handle Errors with try and except - User Exceptions.	3		
III	Modules, Packages, and Programs: Standalone Programs - Command-Line Arguments	2	15	Lecture, PPT
	Modules and the import Statement - The Python Standard Library. Objects and Classes: Define a Class with class -	3		
	Inheritance - Override a Method - Add a Method - Get Help from Parent with super - In self Defense	4		
	Get and Set Attribute Values with Properties - Name Mangling for Privacy - Method Types - Duck Typing - Special Methods - Composition.	6		
IV	Data Types: Text Strings - Binary Data. Storing and Retrieving Data	3	15	Lecture, PPT
	File Input/Output - Structured Text Files	4		
	Structured Binary Files - Relational Databases - NoSQL Data Stores	4		
	Web: Web Clients - Web Servers - Web Services and Automation	4		
V	Systems: Files - Directories - Programs and Processes - Calendars and Clocks.	3	15	Lecture, IPT
	Concurrency: Queues - Processes - Threads - Green Threads and event - twisted - Redis	4		
	Networks: Patterns - The Publish-Subscribe Model - TCP/IP - Sockets - ZeroMQ - Internet Services	4		
	Web Services and APIs - Remote Processing - Big Fat Data and MapReduce - Working in the Clouds	4		

Date of CIAs: As per college calendar/need based amendments.

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Course Teacher

SRI SARADA COLLEGE FOR WOMEN (Autonomous)
THIRUNELVELI 627011
COURSE TEACHING/LECTURE/EXAM PLAN

Department	Name of the faculty/s for the course	Academic year	Class
Computer Science	Dr.K. Amatha, B.Bhuvanewari	2023-2024	IT M.Sc. Computer Science
Semester	Course code	Course title	
I	22PCSE11	ADVANCED SOFTWARE ENGINEERING	

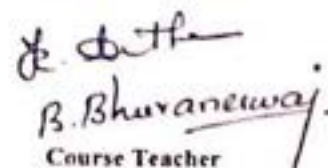
Title of the book (Text/Reference)	Author/s	Edition & Publisher
"Introducing Python"	O'Reilly, Bill Lubanovic	First Edition-Second Release, 2014
"Learning Python"	Mark Lutz, O'Reilly.	Fifth Edition, 2013

Unit No	Topics	No. of hours	Proposed days/date	Remarks- Faculty/ Teaching aids
I	Introduction: The Problem Domain - Software Engineering Challenges	4	15	Lecture
	- Software Engineering Approach - Software Processes	4		
	Software Process - Characteristics of a Software Process	4		
	Software Development Process Models - Other software processes.	3		
II	Software Requirements Analysis and Specification : Requirement engineering - Type of Requirements - Feasibility Studies - Requirements Elicitation	4	15	Lecture
	Requirement Analysis - Requirement Documentation - Requirement Validation - Requirement Management - SRS	4		
	Formal System Specification - Axiomatic Specification - Algebraic Specification - Case study: Student Resultmanagementsystem	4		
	Software Quality Management - Software Quality, Software Quality Management System, ISO 9000, SEI CMM	3		
III	Software Project Management: Responsibilities of a software project manager - Project planning	2	15	Lecture, PPT
	Metrics for Project size estimation - Project Estimation Techniques - Empirical Estimation Techniques - COCOMO	3		
	Halstead's software science - Staffing level estimation - Scheduling- Organization and Team Structures	4		
	Staffing - Risk management - Software Configuration Management - Miscellaneous Plan.	6		
IV	Software Design: Outcome of a Design process - Characteristics of a good software design	3	15	Lecture, PPT
	Cohesion and coupling - Strategy of Design - Function Oriented Design	4		
	Object Oriented Design - Detailed Design	4		
	IEEE Recommended Practice for Software Design Descriptions.	4		
V	Software Testing: A Strategic approach to software testing - Terminologies - Functional testing- Structural testing	3	15	Lecture, PPT
	Levels of testing - Validation testing - Regression testing - Art of Debugging- Testing tools- Metrics	4		
	Reliability Estimation, Software Maintenance - Maintenance Process	4		
	Reverse Engineering - Software Re-engineering - Configuration Management Activities.	4		

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B. Bhuvanewari
Course Teacher

SRI SARADA COLLEGE FOR WOMEN (Autonomous)
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COURSE TEACHING/LECTURE/EXAM PLAN

Department	Name of the faculty/s for the course	Academic year	Class
Computer Science	B BHUVANESWARI	2023-2024	1 M Sc Computer Science
Semester	Course code	Course title	
III	22PC/SC33	Compiler Design	

Title of the book (Text/Reference)	Author/s	Edition & Publisher
Advanced Compiler Design	Steven S. Muchnick	Publishers an imprint of Elsevier 2014
Compiler construction	D.M. Dhamdhere	1999, 2
Principles of computer design	Maheswarijeyalan	Charulatha publication 2004
Theory and practice of compiler writing	Jeanpaulremblypaul	Its publication 2005
Compilers-Principles, Techniques and Tools	Alfred V Aho, Monica S Lam, Ravi Sethi, Jeffrey D Ullman	Pearson publication 2012(2)

Unit No	Topics	No. of hours	Proposed days/date	Remarks- Faculty/ Teaching aids
I	Introduction to Compiler	1	12	PPT
	Language Processors- The Structure of a Compiler	2		
	The Evolution of Programming Languages - The Science of Building a Compiler	1		
	Application of Compiler Technology - Programming Language Basics-A Simple Syntax	1		
	Directed Translator Syntax Definition - Syntax	2		
	Directed Translation - Parsing	2		
	A Translator of Simple Expression	1		
	Lexical Analysis - Symbol Table	1		
	Intermediate Code Generation	1		
	II	Lexical Analysis- The Role of the Lexical Analyzer		
Input Buffering - Specification of Tokens	2			
Recognition of Tokens - The Lexical	1			
Analyzer Generator Lex - Finite Automata	2			
From Regular Expression to Automata - Design of a Lexical	2			
Analyzer Generator - Optimization of DFA- Based PatternMatchers	3			
III	Syntax Analysis- Introduction	2	12	LECTURE
	Context-Free Grammars - Writing a Grammar	2		
	Top-Down Parsing - Bottom-Up Parsing	2		
	Introduction to LR Parsing	2		
	Simple LR - More Powerful LR Parsers	2		
	Using Ambiguous Grammars	2		
IV	Intermediate-Code Generation- Variants of Syntax Trees	1	12	BLACK BOARD
	Three-Address Code - Types and Declarations	2		
	Translations of Expressions - Type Checking-ControlFlow	1		
	Back patching - Switch Statements	2		
	Intermediate Code for Procedures	2		
	Runtime Environments: Storage Organization	2		
	Stack Allocation of Space	1		
	Accessio	1		
	Nonlocal Data on the Stack	1		
V	Code Generation- Issues in the Design of a Code Generator	1	12	PPT
	Address in the Target Code - Basic Blocks and Flow Graph	2		
	Optimization of Basic Blocks - A Simple Code Generator	2		
	The Target Language- Peephole Optimization - Register Allocation and Assignments	1		
	Instruction Selection by Tree Rewriting - Optimal Code Generation for Expression	2		
	Dynamic Programming Code-Generation- Machine	2		
	Independent optimization- The Principal Source of Optimization	2		

Date of CIAs: As per college calendar/need based amendments.

Date:


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Course Teacher

SRI SARADA COLLEGE FOR WOMEN (Autonomous)
TIRUNELVELI 627011
COURSE TEACHING/LECTURE/EXAM PLAN

Department	Name of the faculty/s for the course	Academic year	Class
Computer Science	Dr.K.AMUTHA	2023-2024	IIM.Sc Computer Science
Semester	Course code	Course title	
III	22PCSC31	Digital Image Processing	

Title of the book (Text/Reference)	Author/s	Edition & Publisher
Image Processing Using MATLAB	Rafael C.Gonzalez, Richard E.Woods and Steven L.eddins	2011 (2)
Image Processing: Analysis and Machine Vision	Milan Sonka, Roger Boyle, and Vaclav Hlavac	2006
Fundamentals of Digital Image Processing: A Practical Approach with Examples in Matlab	Chris Solomon and Toby Breckon	2005


Unit No	Topics	No. of hours	Proposed days/date	Remarks-Faculty/ Teaching aids
I	MATLAB & Image Processing Fundamentals Introduction : Fundamentals - The MATLAB Desktop	2	12	Lecture, Black Board
	Using Mat lab Editor /DebB.Sc.,getting help-saving and Retrieving work session data - Digital Image Representation - Image I/O and Display	3		
	- Classes and Image Types - M-Function Programming. Intensity Transformation and Spatial Filtering : Background - Intensity transformation	3		
	histogram Processing and function Plotting -Spatialfiltering - Image processing toolbox standard spatial filters.	3		
II	Filtering Techniques Filtering in Frequency Domain : The 2-D Discrete Fourier transform - Computing and Visualizing the 2-D DFT in MATLAB	2	12	Lecture, PPT
	Filtering in the Frequency domain - Obtaining frequency domain filters from spatial filters - High pass (sharpening) frequency domain filters	3		
	Image Restoration and Reconstruction : A model of the image degradation / restoration process - Noise models - Restoration in the presence of Noise only	4		
	Periodic Noise reduction using Frequency Domain Filtering - Modeling the Degradation Function - Direct Inverse Filtering - Wiener filtering.	3		
III	Color Image Processing : Colour image representation in MATLAB - converting to other color spaces	3	12	Lecture,PPT
	The basics of color image processing - Color transformation - Spatial Filtering of colour images.	3		
	Working directly in a RGB vector space Wavelets : Background - The fast wavelet transform - Working with wavelet decomposition structures -	3		
	The inverse wavelet transform- Wavelets in image processing.	3		
IV	Image Compression : Background - Coding Redundancy - Spatial Redundancy	4	12	Black Board
	Irrelevant information- JPEG Compression. Morphological image Processor : Preliminaries - Dialation and Erosion -	4		
	Combining Dialation and erosion - Labelling connected components - Morphological reconstruction - Gray scale morphology	4		
V	Image Segmentation : Image segmentation - Point, line and edge detection - Line detection using the HoB.Sc.,h transform	4	12	Lecture
	Thresholding - Region - Based segmentation using the Watershed transform.	4		
	Representation and Description : Background - Representation - Boundary Descriptors.	4		

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COURSE TEACHING/LECTURE /EXAM PLAN

Department	Name of the faculty/s for the course	Academic year	Class
Computer Science	Dr V.Vallinayagi	2023-2024	II M.Sc Computer Science
Semester	Course code	Course title	
III	22PCSE31A	Data Science and Data Analytics	

Title of the book (Text/Reference)	Author/s	Edition & Publisher
Data Science & Big Data Analytics: Discovering, Analyzing, Visualizing and Presenting Data	Wiley	John Wiley & Sons, 2015
A simple introduction to Data Science	Lars Nielson	Wickford RI, 2016
R Programming for Data Science	Roger D. Peng	Lean Publication, 2015

Unit	Topics	No. of hours	Proposed days/ date	Remarks-Faculty/ Teaching aids
UNIT-I	Introduction to Datascience-bigdata and data science	2	12	Lecture, Black Board Lecture, PPT
	Analysis of data science-life cycle of datascience	3		
	Application of data science	3		
	Algorithm of DataScience	3		
	Application of datascience and Data Analytics	2		
	Test 1			
UNIT-II	Introduction to Bigdata and its Application	3	12	Lecture, PPT Black Board, Demo class
	Big data overview	3		
	State of practice of Analytics	3		
	Descriptive statistics-Exploratory data analysis	3		
	Examining multiple variats-exploration techniques	3		
	Dirty data-visualization before Analysis-multiple variants.	3		
	Test 3	4		
UNIT-III	Introduction to Machine learning		12	Lecture,
	Python tools for Machine Learning	4		
	Machine learning and its Application	4		
	Machine learning in Datascience	4		
	Python tools in Data science	4		
	Methods in Machine learning	4		
	Test			
Unit IV	Machine learning and Deep learning	3	12	PPT, workshop.
	Linear and logarthimic regression	3		
	Decision tree,naviyes Bayes- clustering	3		
	eco system technology and tools	3		
	database-SQL	3		
Unit V	Introduction to datascience Tools		12	PPT, Seminar
	Supervised learning and unsupervised learning	3		
	data Analytics tools-R program	3		
	weka tool and advance excel	3		
	Orange tools	3		

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SRI SARADA COLLEGE FOR WOMEN (Autonomous)
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COURSE TEACHING/LECTURE/EXAM PLAN

Department	Name of the faculty/s for the course	Academic year	Class
Computer Science	M.VIJAYALAKSHMI	2023-2024	II M.Sc Computer Science
Semester	Course code	Course title	
III	22PCSC32	Research Methodology	

Title of the book (Text/Reference)	Author/s	Edition & Publisher
Research Methodology, Methods and Techniques	C.R.Kothari	2010 (3)&New Age International publishers
Research Methodology	R.Panneerselvam	2009& PHI
Research Methodology	D.K.Bhattacharyya	2003 (1)& E

Unit No	Topics	No. of hours	Proposed days/date	Remarks-Faculty/ Teaching aids
I	Research Methodology : Introduction – Objectives of Research – Types of Research – Research approaches	2	12	Lecture, Black Board
	Significance of Research – Research Methods versus Methodology – Research and Scientific method	3		
	Research process – Criteria of good Research -Problems encountered by Researchers in India.	3		
	Defining the Research Problem : What is a Research problem - Selecting the Problem – Techniques involved in defining a problem.	3		
II	Research design : Meaning of research design – Need for Research Design – Features of Good Design	2	12	Lecture, PPT
	Important concepts relating to Research design – Different Research designs – Basic Principles of Experimental Designs	3		
	Important Experimental designs – Informal Experimental designs – Formal Experimental designs.	4		
	Design of sample surveys : Introduction - Sample design - Types of sampling designs – Non probability sampling – Probability sampling	3		
III	Measurements and scaling: Quantitative and qualitative data- Classifications of measurement scales – Goodness of measurement scales – Sources of error in measurement – Scaling	3	12	Lecture, PPT
	Scale classification bases – Scaling techniques – Comparative Scaling Techniques – Non- Comparative Scaling Techniques. Data Collection : Collection of Primary Data – Observation Method – Interview method – Collection of data throB.Sc.,h Questionnaires	3		
	Collection of data throB.Sc.,h Schedules – Difference between Questionnaire and schedule – Guidelines for constructing Questionnaire/schedule	3		
	Some other methods of data collection – Collection of secondary data – Selection of appropriate method for data collection	3		
IV	ANOVA Data Preparation : Data preparation process – Questionnaire checking – Editing – coding – classification – tabulation	4	12	Black Board
	Graphical representation – Data cleaning – Data adjusting – Some problems in preparation process – Types of analysis – Statistics in research.	4		
	Analysis of variance: The ANOVA technique – One way ANOVA – Two way ANOVA	4		
V	Interpretation and Report Writing : Meaning of interpretation – Technique of interpretation – Precaution in Interpretation – Significance of Report Writing	4	12	Lecture
	Different Steps in Writing Report – Layout of the Research Report – Types of Reports – Mechanics of Writing a Research Report.	4		
	Algorithmic Research : Algorithmic Research Problems – Types of Solution Procedure/ Algorithm – Steps of Development of Algorithm – Comparison of Algorithms – Computer and Researchers.	4		

Date of CIAs: As per college calendar/need based amendments.

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Wallingayagi
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M. VIJAYALAKSHMI
Course Teacher

SRI SARADA COLLEGE FOR WOMEN (Autonomous)
THIRUVELVELI 627011
COURSE TEACHING/LECTURE/EXAM PLAN

Department	Name of the faculty/s for the course	Academic year	Class
Computer science	E.RAJALAKSHMI	2023-2024	II M.Sc. Computer Science
Semester	Course code	Course title	
III	22PCS34	Soft computing	

Title of the book (Text/Reference)	Author/s	Edition & Publisher
Soft computing fundamentals and applications	Dilip K. Pratihari	Narosa publishing house
Soft computing	K. Vinodh Kumar	S.K. Kataria & Sons
Soft computing	Sushil Kumar Singh	Galgotia publications
Soft Computing – Fundamentals and Applications	B.K. Tripathy, J. Anuradha	Cengage learning India pvt ltd

Unit No	Topics	No. of hours	Proposed days/date	Remarks-Faculty/Teaching aids
I	Neural Networks Fundamentals: Artificial Neural Network : Basic Concepts of Neural networks - Evolution of Neural networks	4	12	Lecture and chalk
	Basic Models of Artificial neural network - Terminologies of ANN- McCulloch - Pitts Neuron - Linear separability - Hebb Network	4		
	Applications of Neural networks. Supervised learning Network : Introduction – Perceptron Networks – Adaptive Linear Neuron – Multiple Adaptive Linear Neurons – Back propagation Network.	4		
II	Categories of Neural Networks : Associative Memory Networks : Introduction – Training algorithms for pattern association	4	12	Lecture and chalk
	Auto associative Memory Network – Bidirectional Associative Memory Hopfield Networks. Unsupervised Learning Networks: Introduction – Fixed Weight Competitive Nets	4		
	Kohonen Self-Organizing Maps– Learning Vector Quantization – Adaptive Resonance-Theory Network	4		
III	Fuzzy Logic: Introduction – Classical Sets – Fuzzy Sets, Fuzzy Relations: Cardinality of Fuzzy Relation –	4	12	Lecture and chalk
	Operations and properties of Fuzzy Relations - Fuzzy -Composition – Non interactive fuzzy sets.	4		
	Membership Functions: Introduction – Features of Membership functions – Fuzzification	4		
IV	Defuzzification: Introduction – Lambda cut for Fuzzy Sets and Relations –	4	12	Lecture and chalk PPT
	Defuzzification Methods. Fuzzy Arithmetic and Fuzzy	4		
	Measures: Introduction – Fuzzy Arithmetic – Fuzzy Measures.	4		
V	Genetic Algorithms : Introduction - Basic Operators and Terminologies in GAs - Traditional Algorithm vs. Genetic Algorithm	4	12	PPT
	Simple GA - General Genetic algorithm - The Schema Theorem - Classification of Genetic Algorithm - Applications of Genetic Algorithm.	4		
	Applications of Soft Computing : Introduction - A Fusion approach of Multispectral Images with SAR Image for Flood area Analysis - Optimization of TSP using Genetic Algorithm Approach.	4		

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Ramale
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Dallinayagi
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E. RAJALAKSHMI
Course Teacher

SRI SARADA COLLEGE FOR WOMEN (Autonomous)
TIRUNELVELI 627011
COURSE TEACHING/LECTURE/EXAM PLAN

Department	Name of the faculty/s for the course	Academic year	Class
Computer Applications	T.KOTHA RAGAVI	2023-2024	I BCA
Semester	Course code	Course title	
I	23UCAGE1	Digital Logic Fundamentals	

Title of the book (Text/Reference)	Author/s	Edition & Publisher
Digital Design	M, Morris Mano, Michael D Ciletti	4 & Prentice Hall of India Pvt Ltd
Digital Principles and Applications	Albert Paul Malvino, Donald P Leach	4 & Albert Paul Malvino, Donald P Leach

Unit No	Topics	No. of hours	Proposed days/date	Remarks-Faculty/ Teaching aids
I	Boolean Algebra: Binary Number System - Octal, Hexa-decimal and BCD Codes	4	12	Lecture, Black Board, PPT
	Number System Conversion Number Systems	4		
	Arithmetic Operations – Binary Codes- Boolean Algebra .	4		
II	Digital System: Digital systems – binary numbers – number base conversion – Octal and hexa decimal numbers	4	12	Lecture, Black Board, PPT
	complements – signed binary numbers – binary codes – registers – binary logic. Boolean algebra: Introduction	4		
	basic definition – axiomatic definition of Boolean algebra basic theorem and properties and of Boolean algebra – Boolean functions	4		
III	Logic gates: Canonical and standard forms – other logic operations – digital logic gates and integrated circuits. Gate-Level minimization:	4	12	Lecture, Black Board, PPT
	Introduction : The Map method – Four- variable Maps – Five-variable	4		
	Map – Product – of-sums simplifications- Don't conditions	4		
IV	Combinational Logic: Introduction – Combinational circuits – Analysis Procedure - Design Procedure	4	12	Lecture, Black Board, PPT
	Binary Adder – Subtractor – Decimal Adder - Binary Multiplier - Magnitude Comparator.	4		
	Memory: Introduction – Random access memory – Memory Decoding – Error Detection and Correction – Read Only Memory	4		
V	Decoders and Encoders, Multiplexers, Registers and Counters: Registers – Shift Registers – Ripple Counters – Synchronous Counters – other counters Synchronous Sequential	4	12	Lecture, Black Board, PPT
	Logic: Introduction – Sequential Circuits – Storage Element Latches - Storage Element Flip- Flops - Analysis of Clocked Sequential Circuits.	4		

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Date:

Ramala
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B. Poonthu
HoD

T. Kolthe Raju
Course Teacher

SRI SARADA COLLEGE FOR WOMEN (Autonomous)
TIRUNELVELI 627011
COURSE TEACHING/LECTURE/EXAM PLAN

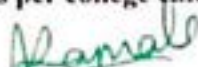
Department	Name of the faculty/s for the course	Academic year	Class
Computer Applications	P. ANUSHA	2023-2024	I BCA
Semester	Course code	Course title	
I		Structured Programming in C	

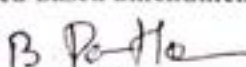
Title of the book (Text/Reference)	Author/s	Edition & Publisher
Let us C	Yashwanth Kanetkar	5 & HPB Publications, Delhi
Programming in ANSI C	E. Balaguruswami	5 & Tata McGraw Hill, Delhi

Unit No	Topics	No. of hours	Proposed days/date	Remarks-Faculty/ Teaching aids
I	Overview of C : Importance of C, sample C program, C program structure, executing C program. Constants, Variables, and Data Types: Character set, C tokens	4	15	<ul style="list-style-type: none"> PPT Slides
	keywords and identifiers, constants, variables, data types, declaration of variables, Assigning values to variables-Assignment statement	4		
	declaring a variable as constant, as volatile. Operators and Expressions -Managing Input and Output Operations	4		
II	Decision Making and Branching: Decision making with If, simple IF, IF ELSE, nested IF ELSE	6	15	<ul style="list-style-type: none"> PPT Slides YouTube Videos
	ELSE IF ladder, switch, GOTO statement. Decision Making and Looping: While, Do-While, For, Jumps in loops.	6		
III	Arrays: Declaration and accessing of one & two-dimensional arrays, initializing two-dimensional arrays, multidimensional arrays. Functions: The form of C functions, Return values and types	5	15	<ul style="list-style-type: none"> PPT Slides
	calling a function, categories of functions, Nested functions, Recursion, functions with arrays, call by value, call by reference, storage classes-character arrays and string functions.	5		
IV	Defining, giving values to members, initialization and comparison of structure variables, arrays of structure, arrays within structures,	6	15	<ul style="list-style-type: none"> PPT Slides YouTube Videos
	structures within structures, structures and functions, unions. Preprocessors: Macro substitution, file inclusion	6		
V	Pointers: definition, declaring and initializing pointers, accessing a variable through address and through pointer, pointer expressions, pointer increments and scale factor	6	15	<ul style="list-style-type: none"> PPT Slides
	pointers and arrays, pointers and functions, pointers and structures. File Management in C: Opening, closing and I/O operations on files, random access to files, command line arguments.	6		

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P. ANUSHA
Course Teacher

SRI SARADA COLLEGE FOR WOMEN (Autonomous)
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COURSE TEACHING/LECTURE/EXAM PLAN

Department	Nameofthefaculty/sforthecourse	Academicyear	Class
ComputerApplications	S.VIMALA	2023-2024	II BCA
Semester	Coursecode	Coursetitle	
III	22UCAC31	Programmingin Java	

Titleofthebook(Text/Reference)	Author/s	Edition&Publisher
Java: The CompleteReference	HerbertSchildt,	10 TH 2017
ProgrammingwithJava	EBalagurusamy	6 TH 2019

Unit No	Topics	No.of hours	Proposed days/date	Remarks-Faculty/ Teachingaids
I	Introduction:TheGenesisofJava-TheJavaClassLibraries – Data types,Variables – Operators – Arrays.	3	12	Blackboard, Teaching
	ControlStatements:Selectionstatements – Iteration statements – Jump statements.	3		
	Introducingclasses:ClassFundamentals–Declaringobjects– Methods.	3		
II	Constructors:Thiskeyword–Garbagecollection.Overloading Methods – Access controls	3	12	Blackboard, Teaching
	Nested andInner classes. Inheritance: Inheritance basics – usingSuper-Methodoverriding–DynamicmethodDispatch	3		
	Abstract classes- using final with inheritance.PackagesandInterfaces:Packages-Accessprotection – ImportingPackages- Interfaces.	3		
III	ExceptionHandling:ExceptionHandlingFundamentals – Java Built in Exceptions	3	12	Lecture,PPT
	creating own Exceptionsubclasses.MultithreadedProgramming:- TheJavaThread Model –	3		
	Creating a Thread – Synchronization –InterThreadcommunication.	3		
IV	I/O Basics: Reading console Input – Writing ConsoleOutput	3	12	Lecture, Blackboard
	ReadingandwritingFiles–Exploring	3		
	java.io.AppletFundamentals –AppletBasics– IntroducingtheAWT	3		
V	SoftwareDevelopmentusingJava:JavaBeansintroduction	3	12	Blackboard, Teaching
	Servlets: Life cycle – A simple servlet –servlet API – HandlingHTTP RequestandResponses –Sessiontracking.	3		
	NetworkingBasics–RemoteMethodInvocation(RMI)– AccessingDatabasewithJDBC	3		

Date of CIAs: As per college calendar/need based amendments.

Date:

A. Anand
Principal

B. Partho
HoD

S. Vimala
Course Teacher

SRI SARADA COLLEGE FOR WOMEN (Autonomous)
THRUNELVELI 627011
COURSE TEACHING/LECTURE/EXAM PLAN

Department	Name of the faculty/s for the course	Academic year	Class
Computer Applications	S.VIMALA	2023-2024	II BCA
Semester	Course code	Course title	
III	22UCAA31	DATA STRUCTURES	

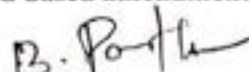
Title of the book (Text/Reference)	Author/s	Edition & Publisher
Data Structures and Program Design Using C++	D. Malhotra, N. Malhotra	1 & Stylus Publishing, LLC
C++ Data Structures and Algorithms	Wisnu Anggoro	1 & Packt Publishing Ltd

Unit No	Topics	No. of hours	Proposed days/date	Remarks- Faculty/ Teaching aids
I	Introduction: Pseudo code – The Abstract Data Type – A model for an Abstract	3	12	Teaching, Blackboard
	Data Type- Algorithms Efficiency.	3		
	Searching: List Searches- Hashed List Searches- Hashed List Searches- Collision Resolution	3		
II	Linked Lists: Linear List Concepts- Linked List Algorithms	3	12	Teaching, Blackboard
	Double linked list- circular linked list- Processing a	3		
	Linked List- Complex Linked List Structure.	3		
III	Stacks and Queues: Basic Stacks operations- Stack Linked List Implementation	3	12	Teaching, Blackboard
	Stack Applications- Basic Queue Operations- Queue Linked List Implementation.	3		
		3		
IV	Trees: Basic Tree Concepts- Binary Trees- Binary Tree Traversals	3	12	Teaching, Blackboard
	Expression Trees – General Trees – Binary Search Trees- Heap Definition-	3		
	Heap Structure- Basic Heap Algorithm	3		
V	Sorting And Graphs: Sorting Concepts- quick Sort- Mergesort	3	12	Blackboard, PPT
	Insertion sort Graphs: Terminology Operations- Graph Storage Structure Networks	3		

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SRI SARADA COLLEGE FOR WOMEN (Autonomous)
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COURSE TEACHING/LECTURE/EXAM PLAN

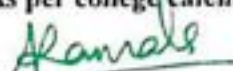
Department	Name of the faculty/s for the course	Academic year	Class
Computer Applications	T.KOTHIA RAGAVI	2023-2024	II BCA
Semester	Course code	Course title	
III	22UCAS31	Web Technology	

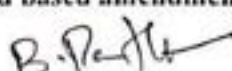
Title of the book (Text/Reference)	Author/s	Edition & Publisher
Web Technology	Uttam K. Roy	1 & Oxford University Press, Chennai
Web Technology	Gopalan, N.P. Akilandeswari	3 & PHI Learning Publications, New Delhi

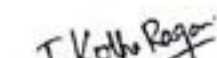
Unit No	Topics	No. of hours	Proposed days/date	Remarks- Faculty/ Teaching aids
I	Introduction to the web: Understanding the Internet and world wide web- History of the web- web applications- writing web projects- Identifiers- objects- Target users- web team- planning and process Development- Standards- TCP/IP Protocol suite- IP Address- MIME- cyber laws. HTTP - Introduction- web servers and clients - Resources- URL and its Anatomy- Message Format- Persistent and Non-Persistent- web caching- Proxy.	3	12	Teaching, Blackboard
		3		
		3		
II	HyperText Markup Language (HTML): History of HTML and W3C- HTML and its Flavors- HTML Basics- Elements- Attributes- and Tags- Basic Tags- Advanced Tags- Frames. Cascading style sheet (CSS): Introduction- Advantages Adding CSS- Browser compatibility- CSS and page layout- selectors.	3	12	Teaching, Blackboard
		3		
		3		
III	JAVAScript: Introduction- Variables- Literals- Operators control structure- conditional statements- Arrays- Functions- objects: Javascript Regular Expression: Introduction	3	12	Teaching, Blackboard
		3		
		3		
IV	Extensible Data Markup Language (XML): Common usage- Role of XML- Prolog- Body elements- Attributes - Validation- Displaying XML- Namespace. XML DTD: XML Schema languages- validation- Introduction to DTD purpose of DTD- Using a DTD in an XML Document - element type Declaration- Attribute declaration.	3	12	Teaching, Blackboard
		3		
		3		
V	Common Gateway Interface (CGI): Internet programming Paradigm- Server-side Programming- Languages for CGI - Applications - server Environment Environment Variables- CGI building blocks- CGI Scripting Using C-Shell script- writing CGI programs- CGI security- Alternatives and Enhancements to CGI Server-side Java- Advantages over Applets- Server Alternatives- Servlet Lifecycle.	3	12	Blackboard, PPT
		3		
		3		

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Course Teacher

SRI SARADA COLLEGE FOR WOMEN (Autonomous)
TIRUNELVELI 627011
COURSE TEACHING/LECTURE/EXAM PLAN

Department	Name of the faculty/sforthe course	Academic year	Class
Computer Applications	M.VINOTHINI	2023-2024	IIIBCA
Semester	Course code	Course title	
V	19UCAC51	Software Engineering	

Title of the book (Text/Reference)		Author/s		Edition & Publisher	
Object Oriented Software Engineering		Timothy C. Lethbridge and Robert Laganere		TMH 2004	
Unit No	Topics	No. of hours	Proposed days/date	Remarks-Faculty/ Teaching aids	
I	Introduction: The Software Process Software and Software Engineering, Software Development Process Models.	3	3 days	Chalk and Talk	
	The Waterfall Model, V-Model, Incremental Process Models, Prototyping, the Spiral Model, Concurrent Models.	5	5 days	Black board teaching	
	Software Implementation and Management process- inspection, Agile Development, Principles that Guide Practice.	4	3 days	Black board teaching	
II	Modeling and Design Understanding Requirements: Requirements Modeling: Scenarios, Information, and Analysis Classes.	3	3 days	PPT	
	Requirements Modeling for Web Apps, Design Concepts.	4	4 days	PPT	
	Software Architecture: Definition, Importance and Styles, User Interface Design.	5	4 days	Black board teaching	
III	Quality Management Quality Concepts, Review Techniques: Software Quality Assurance.	2	3 days	Black board teaching	
	Software Configuration Management: SCM Process, Identification of objects, version and change control, configuration audit, Status Reporting.	6	5 days	PPT	
	SCM Standards, Product Metrics.	4	3 days	Chalk and Talk	
IV	Testing Software Testing Strategies: A strategic Approach, Strategic Issues.	3	3 days	Black board teaching	
	Unit Testing, Integration Testing, validation Testing, System Testing, Art of Debugging.	6	5 days	PPT	
	Testing Conventional Applications, Testing Object-Oriented Applications, Testing Web Applications.	3	4 days	Black board teaching	
V	Project Management Project Management Concepts: The Management spectrum-	3	3 days	Chalk and Talk	
	Process and Project Metrics: Measures, Metrics and Indicators- Managing Variation, Estimation for Software Projects.	3	3 days	PPT	
	Project Scheduling, Risk Management	6	5 days	PPT	

Date of CIAs: As per college calendar/need based amendments.

Date:

A. Anand
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B. Parthasarathy
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M.VINOTHINI
Course Teacher

SRI SARADA COLLEGE FOR WOMEN (Autonomous)
TIRUNELVELI 627011
COURSE TEACHING/LECTURE/EXAM PLAN

Department	Name of the faculty/sforthe course	Academy year	Class
Computer Applications	T.KOTHA RAGAVI	2023-2024	III BCA
Semester	Course code	Course title	
V	22UCAC52	Relational Database Management System	

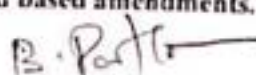
Title of the book (Text/Reference)	Author/s	Edition & Publisher
Database system concepts	Abraham silberschalz, Henry F.Horth and Sudarashan	2000(6)

Unit	Detailed Syllabus	No. of hours	Proposed days/ date	Remarks- Faculty/ Teaching aids
1	Introduction: Database-System application-purpose of database systems-views of data-database languages-relational databases -database design	4	12	Teaching, Blackboard
	data storage and querying- transaction management-database architecture-	4		
	Data mining and information retrieval-specialty databases-database users and administrators.	4		
2	Introduction to the relational model and introduction to SQL: Structure of relational databases-database schema-keys- schema diagrams	5	12	Teaching, Blackboard
	relational query language-relational operations-overview of the SQL query language	4		
	SQL data definition-basic structure of SQL queries.	3		
3	SQL operations and intermediate SQL: Additional basic operations-set operations-null values	4	12	Teaching, Blackboard
	aggregate functions- nested sub queries-join expression-views-transactions-integrity constraints	4		
	SQL data types and schemas- Authorization. Advanced SQL: Accessing SQL from a Programming Language	4		
4	E-R Model and Relational Database Design: E-R- model- overview of the design process- the entity -relationship model-constraints removing redundant attributed in entity sets-	4	12	Teaching, Blackboard
	entity-relationship diagrams-reduction to relational schemas-entity-relationship design issues-extended E-R features.	4		
	Features of good relational design-atomic domains Data Normalization.	4		
5	Implementation using Oracle: Creating table-modifying table- creating- SEQUENCE-creating views-Indexes: Creating and Changing an Index.	4	12	Teaching,PPT
	PL/SQL-triggers-stored procedures and functions-packages-cursors. Users, Privileges and Roles	4		

Date of CIAs: As per college calendar/need based amendments.

Date:


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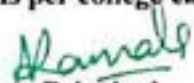
Department	Name of the faculty/s for the course	Academic year	Class
Computer Applications	M.SUDARVENI@SUBHA.S.VIMALA	2023 -2024	III BCA
Semester	Course code	Course title	
V	19UCAC53	Basics of .NET Programming	

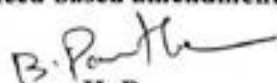
Title of the book (Text/Reference)	Author/s	Edition & Publisher
Asp .Net The Complete Reference	Mathew Mac Donal	2013(5), Prentice Hall of India Private Ltd, New Delhi
Asp .Net 2.0 ,Black Book	David Chappell	2009(2), Kogent Solutions Inc., New Delhi

Unit No	Topics	No. of hours	Proposed days/date	Remarks- Faculty/ Teaching aids
I	The Net Frame Work: Learning the NET languages - Introduction to ASP.NET and IIS Types,	6	12	Teaching, Blackboard
	Object and Name Spaces- ASP.NET Application-	6		
	Building ASP.NET Website	6		
II	Web Form Fundamentals: HTML Controls - Web Control - Validation Control	6	12	Teaching, Blackboard
	Navigation Control - Data Control - Login Control - CSS	6		
	Working with CSS in Web Developer - More Programs.	6		
III	State Management: Session - View - Query String - Cookies	6	12	Teaching, Blackboard
	Tracing - Logging - Error Handling - User Control - ASP.NET Ajax - Example Programs	6		
IV	ADO.NET: Over view of ADO.NET - ADO.NET architecture - dataset in ADO.NET ADO.NET Access - Data Binding	6	12	Teaching, Blackboard
	Data List - DATA Grid and Repeaters - Working with Data Base	6		
	Features And advantages of ADO.NET Sample Programs.	6		
V	XML: Using XML - XSD - XSLT	6	12	Teaching, PPT
	Web Services - Creating Web Services	6		
	Web Services - Caching - ASP.NET Security	6		

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M. SUDARVENI
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Department	Name of the faculty/s for the course	Academic year	Class
Computer Applications	P. ANUSHA	2023 -2024	III BCA
Semester	Course code	Course title	
V	22UCAE51B	Cloud Computing	

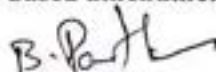
Title of the book (Text/Reference)	Author/s	Edition & Publisher
Cloud Computing	Michael Miller	Pearson Education, New Delhi 2007(1)
Cloud Computing	V.K. Pachghare	PHI Learning Pvt Ltd 2016

Unit No	Topics	No. of hours	Proposed days/date	Remarks-Faculty/ Teaching aids
I	Cloud Computing Introduction, From Collaboration to cloud, Working of Cloud Computing, Pros and Cons, Benefits	4	12	Teaching, Blackboard
	Developing Cloud Computing Services Cloud Service Development, Discovering Cloud Services.	4		
II	Cloud Computing For Everyone Centralizing Email Communications, Collaborating on To-Do Lists ,Contact Lists, Grocery Lists and Household Budgets,	4	12	Teaching, Blackboard
	Cloud Computing for Community, Collaborating on Schedules, Collaborating on Group Projects and Events,	4		
	Cloud Computing for Corporation, Mapping Schedules, Managing Projects, Presenting on Road, Accessing Documents on the road.	4		
III	Using Cloud Services Collaborating on Calendars, Schedules and Task Management, Exploring online Scheduling and Planning,	4	12	Teaching, Blackboard
	Collaborating on Event Management, Collaborating on Contact Management, Collaborating on Project Management	4		
	Collaborating on Project Management, Collaborating on word Processing, Spreadsheets and Databases, Collaborating on Presentations.	4		
IV	Outside the Cloud Evaluating Web Mail Services, Evaluating Instant Messaging	4	12	Teaching, Blackboard
	Evaluating Web Conference Tools, Creating Groups on Social Networks	4		
	Evaluating on Line Groupware, Collaborating via Blogs and Wikis.	4		
V	Storing and Sharing Understanding Cloud storage, Evaluating online File Storage, Exploring online Book Marking Services ,Exploring online Photo Editing	4	12	Teaching, PPT
	Applications, Exploring Photo Sharing Communities, Controlling it with Web Based Desktops	4		

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P. ANUSHA
Course Teacher

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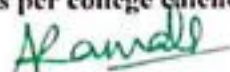
Department	Name of the faculty/sforthecourse	Academicyear	Class
ComputerApplications	MSUDARVENIG@SUBHA	2023-2024	BBCA
Semester	Coursecode	CourseTitle	
V	19UCPD51	PersonalityDevelopment	

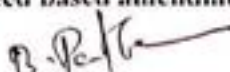
Titleofthebook(Text/Reference)	Author/s	Edition&Publisher
PersonalityDevelopment	Dr.S.NarayanaRajan,Dr.B. Rajasekaran	PublicationDivision,ManonmaniamSundaranar University,Tirunelveli
OrganisationalBehaviour	Venkadasalathi, V. VijureshNayahamandheraldM.Dhas,StephanP.Robbins	TenthEdition,PrenticeHallofIndiaPrivateLimited,NewDelhi,2008

Unit No	Topics	No.of hours	Proposed days/date	Remarks-Faculty/ Teachingaids
I	PERSONALITY-Definition-Determinants-PersonalityTraits-TheoriesofPersonality - Importance of Personality Development. SELF AWARENESS - Meaning	2	8	Lecture,PPT
	Benefits ofSelf - Awareness - Developing Self - Awareness. SWOT - Meaning - Importance-Application-Components.	2		
	GOALSETTINGMeaning-Importance-Effectivegoal setting-Principlesofgoalsetting - GoalsettingattheRightlevel	2		
II	SELFMONITORING-Meaning-Highself-monitorversuslowselfmonitor-Advantages and Disadvantages self monitor- Self-monitoring and job performance.	2	8	Lecture,PPT
	PERCEPTION Definition- Factor influencing perception- Perception process -Errors inperception-Avoidingperceptualevents.ATTITUDE-Meaning-Formationofattitude- Typesofattitude-Measurement of Attitudes- Barrierstoattitudechange- Methodstoattitudechange.	2		
	ASSERTIVENESS-Meaning-AssertivenessinCommunication-AssertivenessTechniques- BenefitsofbeingAssertive - Improving Assertiveness.	2		
III	TEAMBUILDING-Meaning-Typesofteams-ImportanceofTeambuilding-CreatingEffective Team. LEADERSHIP - Definition - Leadership style- Theories of leadership - QualitiesofanEffectiveleader.	2	8	Lecture,PPT
	NEGOTIATIONSKILLS-Meaning-PrinciplesofNegotiation -	2		
	Types of Negotiation - The Negotiation Process - Common mistakes inNegotiationprocess.CONFLICTMANAGEMENT-Definition-TypesofConflict-Levels ofConflict-ConflictResolution-Conflict management.	2		
IV	COMMUNICATION-Definition-Importanceofcommunication-Processofcommunication - Communication Symbols - Communication network - Barriers incommunication - Overcoming Communication Barriers.	2	8	Lecture,PPT
	TRANSACTIONAL ANALYSIS -Meaning-EGO States-TypesofTransactions-JohariWindow-LifePositions.EMOTIONALINTELLIGENCE-Meaning- ComponentsofEmotionalIntelligenceSignificanceofmanagingEmotionalintelligence- HowtodevelopEmotionalQuotient.	2		
	STRESSMANAGEMENT-Meaning-SourcesofStress-SymptomsOfStress- ConsequencesofStress-ManagingStress	2		

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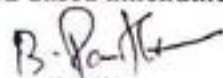
M. SUDARVENI
Course Teacher

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V	SWAMI VIVEKANADA'S PERSONALITY DEVELOPMENT Laws of Personality Development -Different Layers of Personality-How to work- Unselfishness will bring success-be brave-faith in oneself-what is ethics-power of concentration-develop the sense of equality	2	8	Lecture,PTI
		2		

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M.SUDAR UENI
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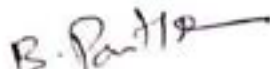
Department	Name of the faculty/s for the course	Academic year	Class
Computer Applications	DR.B PARVATHI DEVI	2023-2024	I MCA
Semester	Course code	Course title	
I	23PCAC12	Linux and Shell Programming	
Title of the book (Text/Reference)		Author/s	Edition & Publisher
Linux Command Line and Shell Scripting BIBLE		Richard Blum, Christine Bresnahan	2015 (3) & wiley Publishing
Mastering Linux Shell Scripting		MokhtarEbrahim	2018 (2) & Packt Publishing

Unit No	Topics	No. of hours	Proposed days/date	Remarks-Faculty/ Teaching aids
I	Basic bash Shell Commands: Interacting with the shell-Traversing the file system-Listing files and directories-Managing files and directories-Viewing file contents	2	3 days	PPT
	Basic Script Building: Using multiple commands-Creating a script file-Displaying messages-Using variables-Redirecting input and output-Pipes-Performing math-Exiting the script.	3	3 days	Chalk and Talk
	Using Structured Commands: Working with the if-then statement-Nesting ifs-Understanding the test command-Testing compound conditions-Using double brackets and parentheses-Looking at case	3	2 days	PPT
II	More Structured Commands: Looping with for statement-Iterating with the until statement-Using the while statement-Combining loops-Redirecting loop output	2	3 days	PPT
	Handling User Input: Passing parameters-Tracking parameters-Being shifty-Working with options-Standardizing options-Getting user input	5	4 days	PPT
	Script Control: Handling signals-Running scripts in the background-Forbidding hang-ups -Controlling a Job-Modifying script priority-Automating script execution	5	2 days	PPT
III	Creating Functions: Basic script functions-Returning a value-Using variables in functions-Array and variable functions-Function recursion-Creating a library-Using functions on the command line	2	3 days	Black board teaching
	Writing Scripts for Graphical Desktops: Creating text menus-Building text window widgets-Adding X Window graphics	4	2 days	Black board teaching
	Introducing sed and gawk: Learning about the sed Editor-Getting introduced to the gawk Editor-Exploring sed Editor basics.	4	5 days	PPT
IV	Regular Expressions: Defining regular expressions-Looking at the basics-Extending our patterns-Creating expressions	3	3 days	Black board teaching
	Advanced sed: Using multiline commands-Understanding the hold space-Negating a command-Changing the flow-Replacing via a pattern-Using sed in scripts-Creating sed utilities	4	5days	PPT
	Advanced gawk: Reexamining gawk-Using variables in gawk-Using structured commands-Formatting the printing-Working with functions.	5	5 days	Black board teaching
V	Working with Alternative Shells: Understanding the dash shell-Programming in the dash shell-Introducing the zsh shell-Writing scripts for zsh.	3	3 days	PPT
	Writing Simple Script Utilities: Automating backups-Managing user accounts-Watching disk space. Producing Scripts for Database, Web, and E-Mail: Writing database shell scripts-Using the Internet from your scripts-Emailing reports from scripts	3	3 days	PPT
	Using Python as a Bash Scripting Alternative: Technical requirements-Python Language-Hello World the Python way-Pythonic arguments-Supplying arguments-Counting arguments-Significant whitespace-Reading user input-Using Python to write to files-String manipulation.	6	4 days	PPT

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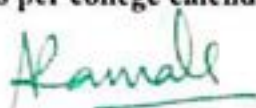
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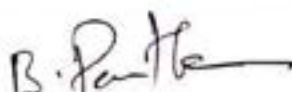
Department	Name of the faculty/s for the course	Academic year	Class
Computer Applications	G. RAMANI	2023-2024	I MCA
Semester	Course code	Course title	
I	23PCAC13	Python Programming	
Title of the book (Text/Reference)		Author/s	Edition & Publisher
Fundamentals of Python: first programs		K.A. Lambert,	Second Edition, Cengage Learning, 2018
Python Data Analytics: With Pandas, NumPy, and Matplotlib		Fabio Nelli	Second Edition, Kindle Edition, 2018
Django 3 By Example		Antonio Mele	Third Edition, 2020

Unit No	Topics	No. of hours	Proposed days/date	Remarks-Faculty/ Teaching aids
I	Introduction: Fundamental ideas of Computer Science - Strings, Assignment, and Comments	2	3 days	PPT
	Numeric Data types and Character sets – Expressions – Loops and Selection Statements	3	3 days	Chalk and Talk
	Definite iteration: the for Loop - selection: if and if-else statements - Conditional iteration: the while Loop	3	2 days	PPT
II	Strings and Text Files: Accessing Characters and substrings in strings - Data encryption-Strings and Number systems	2	3 days	PPT
	String methods – Text - Lists and Dictionaries: Lists – Dictionaries – Design with Functions: A Quick review	5	4 days	PPT
	Problem Solving with top-Down Design - Design with recursive Functions - Managing a Program's namespace - Higher-Order Functions	5	2 days	PPT
III	Design with Classes: Getting inside Objects and Classes – Data-Modeling Examples – Building a New Data Structure – The Two – Dimensional Grid.	2	3 days	Black board teaching
	Structuring Classes with Inheritance and Polymorphism - GraphicalUser Interfaces - The Behavior of terminal-Based programs and GUI-Based programs -	4	2 days	Black board teaching
	Coding Simple GUI-Based programs - Windows and Window Components - Command Buttons and responding to events	4	5 days	PPT
IV	Working with Python Packages: NumPy Library-Ndarray – Basic Operations – Indexing, Slicing and Iteration – Array manipulation	3	3 days	Black board teaching
	Pandas –The Series – The DataFrame - The Index Objects – Data Visualization with Matplotlib – The Matplotlib Architecture	4	5days	PPT
	pyplot – The Plotting Window – Adding Elements to the Chart – Line Charts – Bar Charts – Pie charts	5	5 days	Black board teaching
V	Django: Installing Django – Building an Application – Project Creation – Designing the Data Schema -	3	3 days	PPT
	Creating an administration site for models - Working with QuerySets and Managers	3	3 days	PPT
	Retrieving Objects – Building List and Detail Views	6	4 days	PPT

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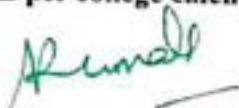
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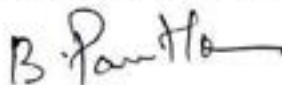
Department	Name of the faculty/s for the course	Academic year	Class
Computer Applications	P.ANUSHA	2023-2024	1MCA
Semester	Course code	Course title	
I	23PCAIE11	Data Engineering and Management	
Title of the book (Text/Reference)		Author/s	Edition & Publisher
Principles of Data Management Facilitating Information Sharing		Keith Gordon	2013 & BCS Learning
The Art of CRM		Max Fatouretchi	2019 & Packt Publishing

Unit No	Topics	No. of hours	Proposed days/date	Remarks-Faculty/ Teaching aids
I	DATABASE DEVELOPMENT: Database architecture of an information system-Overview of the database development process-Conceptual data modeling-Relational data analysis-Roles of a data model-Physical database design.	4	4 days	Chalk and Talk
	DATA MANAGEMENT: Problems encountered without data management-Data management responsibilities	3	3 days	PPT
	Data management activities-Roles within data management-Benefits of data management-Relationship between data management and enterprise	3	2 days	Black board teaching
II	CORPORATE DATA MODELLING: Need for a corporate data model-Nature of a corporate data model- Develop a corporate data model - Corporate data model principles.	3	3 days	PPT
	DATA DEFINITION AND NAMING: Elements of a data definition-Data naming conventions. DATA ACCESSIBILITY: Data security-Data integrity-Data recovery.	3	2 days	Black board teaching
	DATA QUALITY: Issues associated with poor data quality-Causes of poor data quality-Dimensions of data quality-Data model quality-Improving data quality.	3	2 days	Black board teaching
III	USE OF PACKAGED APPLICATION SOFTWARE: Application software packages-Impact on data management.	3	3 days	PPT
	DISTRIBUTED DATA AND DATABASES: Rationale for distributing data-Perfect distributed database system-Top down fragmentation and partitioning. Bottom up integration-The management of replication.	4	4 days	PPT
	BUSINESS INTELLIGENCE: Data warehousing-Multidimensional model of data-Standard reporting tools-Online analytical processing OLAP-Relational schema for a data warehouse.	2	2 days	Black board teaching
IV	CRM: Three main pillars of CRM. GETTING TO KNOW YOUR CUSTOMER: 360-degree client view.	3	3 days	PPT
	UTILIZING ARTIFICIAL INTELLIGENCE AND MACHINE LEARNING IN YOUR CRM STRATEGY: Evolution of AI-Current state of AI	3	3 days	Black board teaching
	Teaming up AI with people-Appling AI to your CRM solution-ethical aspects of AI-An example of AI in CRM processes.	3	3 days	Black board teaching
V	CLOUD VERSUS ON PREMISE VERSUS HYBRID: Factors influencing vendor selection-Hybrid deployment-what are your options.	2	2 days	PPT
	CRM DIFFERENTIATORS: It's not about the feature list; it's about the ecosystem-	2	3 days	PPT
	Fourth industrial revolution and CRM-AI and smart cloud-To cloud or not to cloud-Leveraging smart cloud into CRM-Big data-Social selling and advertising-Implementation tools-Sustainable CRM platform.	4	5 days	Black board teaching

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P ANUSHA
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Department	Name of the faculty/s for the course	Academic year	Class
Computer Applications	M.VINOTHINI	2023-2024	I MCA
Semester	Course code	Course title	
I	23PCAE12	Soft Computing	
Title of the book (Text/Reference)		Author/s	Edition & Publisher
Principles of Soft Computing		S.N. Sivanandam, S.N.Deepa, Wiley	2019(3)
Soft computing and intelligent systems: theory and applications		Gupta, M. M.	2004 & Elsevier

Unit No	Topics	No. of hours	Proposed days/date	Remarks-Faculty/ Teaching aids
I	INTRODUCTION TO SOFT COMPUTING: Artificial Neural Networks- Biological Neurons- Basic Models of Artificial Neural Networks-Connections-Learning-Activation Functions- Important Terminologies of ANNs.	4	4 days	Chalk and Talk
	Muculloch and Pitts Neuron-Linear Separability.	3	3 days	Black board teaching
	Hebb Network-Flowchart of Training Process-Training Algorithm.	3	2 days	Black board teaching
II	SUPERVISED LEARNING NETWORK: Perceptron Networks-Perceptron Learning Rule-Architecture-Flowchart for Training Process-Perceptron Training Algorithms for Single Output Classes-Perceptron Training Algorithm for Multiple Output Classes-Perceptron Network Testing Algorithm.	3	3 days	Black board teaching
	Adaptive Linear Neuron-Delta Rule for Single Output Unit-Flowchart for training algorithm-Training Algorithm – Testing Algorithm - Multiple Adaptive Linear Neurons-Architecture-Flowchart of Training Process-Training Algorithm.	3	2 days	Black board teaching
	Back Propagation Network-Architecture-Flowchart for Training Process-Training Algorithm-Learning Factors of Back-Propagation Network-Radial Basis Function Network- Architecture-Flowchart for Training Process-Training Algorithm.	3	2 days	Black board teaching
III	UNSUPERVISED LEARNING NETWORK: Associative Memory Networks - Auto Associative Memory Network-Architecture-Flowchart for Training Process-Training Algorithm-Testing Algorithm.	3	3 days	Black board teaching
	Bidirectional Associative Memory- Architecture-Discrete Bidirectional Associative Memory-Iterative Auto Associative Memory Networks - Linear Auto Associative Memory.	4	4 days	Black board teaching
	Kohonen Self-Organizing Feature Map- Architecture-Flowchart for Training Process-Training Algorithm.	2	2 days	Black board teaching
IV	INTRODUCTION TO FUZZY LOGIC: Classical Sets – Operations on Classical Sets-Fuzzy sets - Fuzzy Sets- Properties of Fuzzy Sets- Fuzzy Relations –Membership Functions: Fuzzification- Methods of Membership Value Assignments.	3	3 days	Black board teaching
	Defuzzification – Lambda-Cuts for Fuzzy sets and Fuzzy Relations – Defuzzification Methods–Max-Membership Principle-Centroid Method-Weighted Average Method-Mean Max Membership-Center of Sums-Center of Largest Area-First of Maxima - Fuzzy Set Theory	3	3 days	Black board teaching
	Fuzzy Arithmetic And Fuzzy Measures: Fuzzy Measures – Belief and Plausibility Measures-Probability Measures-Possibility and Necessity Measures- Formation of Rules –Fuzzy Inference Systems (FIS) – Fuzzy Decision Making – Fuzzy Logic Control Systems.	3	3 days	Black board teaching
V	GENETIC ALGORITHM: Introduction - Biological Background - Traditional Optimization and Search Techniques.	2	2 days	PPT
	Gradient Based Local Optimization Method-Random Search-Stochastic Hill Climbing-Simulated Annealing-Symbolic Artificial Intelligence.	2	3 days	PPT
	Operators in Genetic Algorithm -Encoding-Selection-Crossover-Mutation - Stopping Conditions for Genetic Algorithm Flow-Genetic Programming-Working of Genetic Programming-Characteristics of Genetic Programming-Data Representation.	4	5 days	Black board teaching

Date of CIAs: As per college calendar/need based amendments.

Date:

Kamala
Principal

B. Partha
HOD.

M. VINOTHINI
Course Teacher

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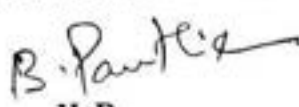
Department	Name of the faculty/s for the course	Academic year	Class
Computer Applications	G. RAMANI	2023-2024	II MCA
Semester	Course code	Course title	
III	22PCAC32	Artificial Neural Network with Machine Learning	
Title of the book (Text/Reference)		Author/s	Edition & Publisher
Computer Networking: A Top-down Approach		James F. Kurose, Keith W. Ross	2012(6) Pearson Education Limited, Bangalore
Computer Networks		Andrew S. Tanenbaum, David J. Wetherall	(5) Pearson Education Bangalore
https://www.w3schools.com/			

Unit No	Topics	No. of hours	Proposed days/date	Remarks-Faculty/ Teaching aids
I	Introduction of Artificial Neural Network: Basic structure of ANN, Types of Artificial Neural, Network, Machine learning in ANN.	2	3 days	PPT
	Definition of machine learning, History of machine learning, classification of machine learning.	3	3 days	Chalk and Talk
	Supervised learning, unsupervised machine learning, reinforcement learning and semi supervised learning.	3	2 days	PPT
II	Back propagation: The Back propagation Network – The Generalized Delta Rule	2	3 days	PPT
	Practical Considerations – BPN Applications -The Back propagation Simulator.	5	4 days	PPT
	The BAM and the Hopfield Memory: Associative-Memory Definitions – The BAM – The Hopfield Memory – Simulating the BAM.	5	2 days	PPT
III	Simulated Annealing: Information Theory and Statistical Mechanics	2	3 days	Black board teaching
	The Boltzmann Machine – The Boltzmann Simulator – Using the Boltzmann Simulator	4	2 days	Black board teaching
	The Counter propagation Network: CPN Building Blocks.	4	5 days	PPT
IV	Self-Organizing Maps: SOM Data Processing – Applications of Self, Organizing Maps	3	3 days	Black board teaching
	Simulating the SOM- Adaptive Resonance Theory: ART Network Description	4	5 days	PPT
	ART1 – ART2	5	5 days	Black board teaching
V	Applications in machine learning: Text Mining and Classification, voice classification, sentiment analysis.	3	3 days	PPT
	Image-Based Applications-Object recognition and detection, object detection with Deep learning, pattern recognition, clustering.	3	3 days	PPT
	Products Recommendations, Speech Recognition, Speech to Text Conversion, Fraud Detection.	6	4 days	PPT

Date of CIAs: As per college calendar/need based amendments.

Date:


Principal


HoD

G. RAMANI
Course Teacher

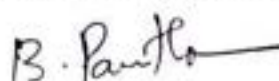
SRI SARADA COLLEGE FOR WOMEN (Autonomous)
TIRUNELVELI 627011
COURSE TEACHING/LECTURE/EXAM PLAN

Department	Name of the faculty/s for the course	Academic year	Class
Computer Applications	DR.B.PARVATHI DEVI	2023-2024	II MCA
Semester	Course code	Course title	
III	22PCAC33	Programming in Python	
Title of the book (Text/Reference)		Author/s	Edition & Publisher
Introduction to Computing & Problem Solving with Python		Dr.Jeeva Jose,	2019(1) Khanna Publishing
Introduction to Computing Using Python		Ljumbomir, Perkovic	2015(2)Wiley,New Delhi
https://learning-python.com			

Unit No	Topics	No. of hours	Proposed days/date	Remarks-Faculty/ Teaching aids
I	Introduction to Python: Features of Python, Python Virtual Machine, Memory management in Python, Comparison between C and Python.	2	3 days	PPT
	Writing and execution of a Python program, Input & Output statements, Datatypes – Strings and Characters – Creating Strings, Escape Characters, String formatting operators, String formatting functions.	3	3 days	Chalk and Talk
	Operators - Arithmetic, Assignment, Unary minus, Relational, Logical, Boolean, Bitwise, Membership and Identity Operators, Mathematical functions. Lists and Tuples.	3	2 days	PPT
II	Control statements and Conditional Statements: Arrays-creating an array, Importing the array module, Indexing and Slicing on arrays, Types of arrays, Working with arrays using numpy, Mathematical operations on arrays.	2	3 days	PPT
	Functions – Function definition, Function call, Returning from a function, Returning multiple values, Function arguments- formal & actual, positional, keyword.	5	4 days	PPT
	Default, variable length arguments, Local & Global variables, passing a group of elements to a function, Recursive functions, Anonymous functions or Lambdas.	5	2 days	PPT
III	Classes and Objects: Creating a Class, the self-variable, Constructor, Types of variables, Namespaces.	2	3 days	Black board teaching
	Types of Methods, Passing members of one class to another class, Inner classes.	4	2 days	Black board teaching
	Inheritance and Polymorphism- Constructors in Inheritance, Overriding super class constructors and Methods, the super() Method. Types of Inheritance. Polymorphism.	4	5 days	PPT
IV	Exceptions: Errors in Python Programing, Exceptions, Exception handling, Types of Exceptions, except block, assert statement, user defined exceptions, logging Exceptions.	3	3 days	Black board teaching
	Files-Types, Opening and Closing a file, working with text and binary files, Knowing whether a file exist or not, with statement, Pickles, seek() and tell methods.	4	5days	PPT
	Working with Directories, Regular expressions, Sequence characters, Quantifiers and Special Characters in regular expressions, using regular expressions on files.	5	5 days	Black board teaching
V	Introduction to Raspberry Pi: About the hardware, Raspberry Pi pin out, Interfacing with the Raspberry Pi- Controlling the brightness of an LED.	3	3 days	PPT
	Toggling with a push switch, Make a buzzing sound, Switching a high power DC device using a transistor.	3	3 days	PPT
	Speed Control of DC motor, Measuring Light using SPI, Measuring Temperature using I2C.	6	4 days	PPT

Date of CIAs: As per college calendar/need based amendments.

Date: 
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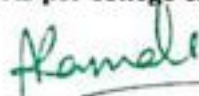

Course Teacher

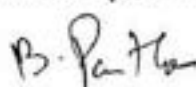
SRI SARADA COLLEGE FOR WOMEN (Autonomous)
TIRUNELVELI 627011
COURSE TEACHING/LECTURE/EXAM PLAN

Department	Name of the faculty/s for the course	Academic year	Class
Computer Applications	DR. B. PARVATHI DEVI and M. VINOTHINI	2022-2023	II MCA
Semester	Course code	Course title	
III	22PUAC34	Image Processing	
Title of the book (Text/Reference)		Author/s	Edition & Publisher
Digital Image Processing		Rafael C. Gonzalez, Richard E. Woods	2012(2) Pearson Education
Digital Image Processing and Analysis		B. Chanda, D. DuttaMajumder	2003(1) JPHI
https://www.tutorialspoint.com/dip/index.html			
https://www.javatpoint.com/digital-image-processing-tutorial			

Unit No	Topics	No. of hours	Proposed days/date	Remarks-Faculty/ Teaching aids
I	Introduction: What is Digital image processing – the origin of DIP – Formation of image – Fundamentals steps in DIP – Components of an image processing system.	2	3 days	PPT
	Digital Image Fundamentals: Elements of Visual perception – Light and the electromagnetic spectrum – Image sensing and acquisition	3	3 days	Chalk and Talk
	Image sampling and Quantization Some Basic relationship between Pixels – Linear & Nonlinear operations	3	2 days	PPT
II	Image Enhancement in the spatial domain:- Background – some basic Gray level Transformations – Histogram Processing – Enhancement using Arithmetic / Logic operations	2	3 days	PPT
	Basics of spatial filtering – Smoothing spatial filters – Sharpening spatial filters – Filtering in frequency domain –Fast Fourier Transformation	5	4 days	PPT
	Discrete Fourier Transformation-1D DFT and 2D DFT - Combining spatial enhancement methods.	5	2 days	PPT
III	Image Restoration: A model of the Image Degradation / Restoration Process – Noise models – Restoration is the process of noise only – Spatial Filtering .	2	3 days	Black board teaching
	Periodic Noise reduction by frequency domain filtering – Linear, Portion – Invariant Degradations.	4	2 days	Black board teaching
	Estimating the degradation function – Inverse filtering – Minimum mean square Error Filtering – Constrained least squares filtering – Geometric mean filter – Geometric Transformations	4	5 days	PPT
IV	Image Compression: Fundamentals – Image compression models .	3	3 days	Black board teaching
	Elements of Information Theory.	4	5days	PPT
	Error Free compression – Lossy compression – Image compression standards.	5	5 days	Black board teaching
V	Image Segmentation: Detection and Discontinuities – Edge Linking and Boundary deduction – Thresh holding – Region-Based segmentation.	3	3 days	PPT
	Segmentation by Morphological watersheds – The use of motion in segmentation-Classification-Supervised classification-Maximum Likelihood-Principal components.	3	3 days	PPT
	Support vector machine (SVM), Unsupervised classification-k-means, ISODATA, Real time applications –case studies.	6	4 days	PPT

Date of CIAs: As per college calendar/need based amendments.

Date: 
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SRI SARADA COLLEGE FOR WOMEN (Autonomous)
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COURSE TEACHING/LECTURE/EXAM PLAN

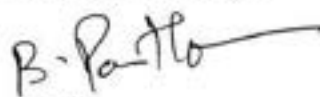
Department	Name of the faculty/s for the course	Academic year	Class
Computer Applications	G. KAMANI and SR. NIVETHA	2023-2024	II MCA
Semester	Course code	Course title	
III	22PCAE31B	Compiler Design	
Title of the book (Text/Reference)		Author/s	Edition & Publisher
Compilers: Principles, Techniques and Tools		Alfred V. Aho, Monica S. Lam, Ravi Sethi, Jeffrey D. Ullman	2009 Pearson Education
Optimizing Compilers for Modern Architectures: A Dependence based Approach		Randy Allen, Ken Kennedy	2002, Morgan Kaufmann
Principles of Compiler Design		V. Raghavan	2010, Elsevier Science, India, Indian Reprint

Unit No	Topics	No. of hours	Proposed days/date	Remarks-Faculty/ Teaching aids
I	INTRODUCTION TO COMPILERS Structure of a compiler - lexical analysis - syntax analysis-semantic analysis-intermediate code generations	2	3 days	PPT
	code optimizations-code generations-symbol table management-grouping of phase into passes- compiler generation tools	3	3 days	Chalk and Talk
	Evolution of programming language-Applications of compiler technology-programming language basics.	3	2 days	PPT
II	SYNTAX ANALYSIS-Role of Parser — Grammars — Error Handling	2	3 days	PPT
	Context-free grammars — Writing a grammar — Top Down Parsing — item and LR (0) automation	5	4 days	PPT
	LR Parsing algorithms- constructing SLR parsing tables-LR parsers-canonical LR parsers.	5	2 days	PPT
III	INTERMEDIATE CODE GENERATION-Syntax Tree-Three Address Code-Address and instructions	2	3 days	Black board teaching
	Quadruples-triples-static single-assignment form- Types and Declarations-type expressions type equivalence-declarations	4	2 days	Black board teaching
	Storage layout for local names - sequence of declaration-fields in record classes- Translation of Expressions, Type Checking.	4	5 days	PPT
IV	RUN-TIME ENVIRONMENT AND CODE GENERATION - Storage Organization-Stack Allocation Space	3	3 days	Black board teaching
	Access to Non-local Data on the Stack, Heap Management — Garbage collection	4	5days	PPT
	Goals for garbage collection-reachability-reference counting garbagecollectors.	5	5 days	Black board teaching
V	MACHINE INDEPENDENT CODE OPTIMIZATION - Principal Sources of Optimization	3	3 days	PPT
	Data Flow analysis — Foundations of Data Flow Analysis .	3	3 days	PPT
	Efficient Data Flow Algorithm.	6	4 days	PPT

Date of CIAs: As per college calendar/need based amendments.

Date:


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G. RAMANI
Course Teacher

SRI SARADA COLLEGE FOR WOMEN (Autonomous)
TIRUNELVELI 627011
DEPARTMENT OF INFORMATION TECHNOLOGY
COURSE TEACHING/LECTURE/EXAM PLAN

Department	Name of the faculty/s for the course	Academic year	Class
Information Technology	Selvi S.MURUGESWARI	2023-24	III IT
Semester	Course code	Course title	
V	22UITC52	Relational Database Management System	

Title of the book (Text/Reference)	Author/s	Edition & Publisher
Database System Concepts	Abraham Silberschatz, Henry F.Korth, S. Sudarshan	6 th Edition, 2010 McGraw Hill Education
ORACLE 9i - The Complete Reference	Kevin Loney, George Koch And the Experts at TUSC	1st Edition, 2002 Tata McGraw – Hill Publishing Company Ltd., New Delhi

Unit No	Topics	No. of hours	Proposed days/date	Remarks-Faculty/ Teaching aids
I	Introduction: Purpose of Database Systems–Data Models– Database Languages–Transaction Management – Storage Management – DBA – Database Users – System Structure.	7	20	<ul style="list-style-type: none"> PPT Slides Chalk & Talk
	E-R Model – Entities and Entity sets – Relationship Sets – Mapping Constraints – E-R Diagram.	8		
II	Structure of Relational Databases : Relational Algebra – Tuple Relational Calculus – Domain Relational Calculus – Integrity Constraints	8	18	<ul style="list-style-type: none"> PPT Slides Chalk &Talk
	Normalization – Boyce Codd Normal Form – Third Normal Form – Fourth Normal Form – Domain Key Normal Form.	7		
III	Basic SQL Operations: Creating a Table – Insert – Rollback – Commit – Auto commit– Delete – Update – Select, From, Where and Order by – Single value tests – LIKE – Simple tests against a list of values – Combining Logic – Dropping tables – Dropping a Column	8	17	<ul style="list-style-type: none"> PPT Slides Hands on Training using online compiler
	Creating a table from a table –Creating a view – Advanced Sub queries – Outer Joins – Natural and Inner Joins – Union, Intersect & Minus – Synonyms– Indexes - Table Space - Clusters - Sequences	5		
IV	Basics of Object: Relational Databases: Objects – Abstract Data Types – Nested tables – Varying arrays – Large Objects – References Object Views – Naming conventions for objects – structure of an object –	7	17	<ul style="list-style-type: none"> Chalk&Talk PPT Slides
	Users, Roles and Privilege: Creating a User - Password Management - Three Standard Roles - Format for grant Command - Revoking Privileges- What users can Grant : Moving to another user – Create Synonym – Granting privileges to a role – Granting a role to another role– Adding Password to a role – Removing password from a role – Enabling & Disabling Roles – Revoking Privilege from a role – Drop role.	8		
V	An Introduction to PL/SQL : PL/SQL Overview – Declaration section – Executable commands section – Exception handling Section	5	16	<ul style="list-style-type: none"> PPT Slides Hands on Training using online compiler
	Triggers: Syntax - Types of Triggers -Row Level, Statement Level ,Before & After , Instead of , Database Level Triggers – Enabling & Disabling Triggers – Replacing & Dropping Triggers	5		
	Procedures, Functions & Packages : Syntax – Compile – Replace – Drop Procedure, Functions & Packages – Cursor Management.	2		

Date: 15/4/24


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Course Teacher

SRI SARADA COLLEGE FOR WOMEN (Autonomous)
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DEPARTMENT OF INFORMATION TECHNOLOGY
COURSE TEACHING/LECTURE/EXAM PLAN

Department	Name of the faculty/s for the course	Academic year	Class
INFROMATION TECHNOLOGY	SMT.N.MENAKA	2023-2024	III YEAR
Semester	Course code	Course title	
V	19UITC51	SOFTWARE ENGINEERING	

Title of the book (Text/Reference)	Author/s	Edition & Publisher
Software Engineering Principles and Practice	Waman S. Jawadekar,	Tata McGraw Hill Education Private Limited, New Delhi.
Software Engineering A Practitioner Approach	Roger S. Pressman,	McGraw – Hill Higher Education.

Unit No	Topics	No. of hours	Proposed days/date	Remarks-Faculty/ Teaching aids
I	Introduction-> Software Engineering Discipline- Evolution And Impact – Program versus Product – Emergence of Software Engineering-Changes in Software Development Practices- Computer System Engineering.	3	14	<ul style="list-style-type: none"> • PPT Slides • Projector
	Software Life Cycle Models: Use of Life cycle models- Classical Waterfall Model – Iterative Waterfall Model – Prototyping Model – Evolutionary Model –Spiral Model	5		
	Software Project Management: Responsibilities of a Software Project Manager – Project Planning-Metrics project size Estimation-Project Estimation Techniques-Risk Management-Software Configuration Management	4		
II	Requirements Analysis and Specification:- Requirements Gathering and Analysis	4	16	<ul style="list-style-type: none"> • PPT Slides • Black Board
	Software Requirements Specifications (SRS)-Formal System Development	4		
	Software Design: Characteristics of a good software Design - Cohesion and Coupling - Neat Arrangement - Software Design approaches.	3		
III	Function-Oriented Software Design: Overview of SA/SD Methodology – Structured Analysis – Data Flow Diagrams(DFDs) – Structured Design – Detailed Design- Design Review.	6	17	<ul style="list-style-type: none"> • PPT Slides • Chalk and Talk
	Object Modeling Using UML: Overview of Object oriented concepts-UML -UML Diagrams -Use Case Model - Class Diagrams - Interaction Diagrams -Activity Diagrams - State Chart Diagram	5		
IV	User Interface Design:- Characteristics of a good User Interface - Basic Concepts – Types of User Interfaces – Components based GUI Development.	6	16	<ul style="list-style-type: none"> • PPT Slides • Black Board • Projector
	Coding and Testing:- Coding – Testing- Unit Testing – Black-box Testing– White-box Testing- Debugging -Integration Testing - System Testing-Statistical Testing.	6		
V	Software Quality : Software Quality – Software Quality Management System – ISO 9000. Software Reuse: Issue in any Reuse Program - Reuse Approach.	5	15	<ul style="list-style-type: none"> • PPT Slides • Chalk and Talk • Black Board
	Computer Aided Software Engineering: CASE Environment - CASE support in software Life Cycle - Characteristics of CASE Tools -Architecture of a CASE Environment.	5		
	Software Maintenance: Characteristics of Software Maintenance- Software Reverse Engineering- Software Maintenance Process Models -Estimation of Maintenance Cost .	3		

Date of CIAs: As per college calendar/need based amendments.

Date: 15/4/24

Ramala
Principal

N.M.K
HoD

N.M.K
Course Teacher

SRI SARADA COLLEGE FOR WOMEN (Autonomous)
TIRUNELVELI 627011
DEPARTMENT OF INFORMATION TECHNOLOGY
COURSE TEACHING/LECTURE/EXAM PLAN

Department	Name of the faculty/s for the course	Academic year	Class
INFORMATION TECHNOLOGY	SELVI S.SUMITHIRA	2023-2024	III YEAR
Semester	Course code	Course title	
V	19UITC53	WIRELESS APPLICATION PROTOCOL	

Title of the book (Text/Reference)	Author/s	Edition & Publisher
The Wireless Application Protocol	Steve Mann, Scott Sbilili	Wiley India Pvt. Ltd., New Delhi.
WAP : A Beginner's Guide	Dale Bulbrook	Tata McGraw – Hill Publishing Company Limited, New Delhi

Unit No	Topics	No. of hours	Proposed days/date	Remarks-Faculty/ Teaching aids
I	A brief History of WAP: Origins – The WAP Forum – Forum Members – Why WAP? The Great Convergence – WAP Device Characteristics – The Need For WAP	6	17	<ul style="list-style-type: none"> PPT Slides Chalk and Talk
	An Overview of WAP: WAP in Action – Web Transaction Model – WAP Transaction Model – WAP Architecture – A closer Look at WAE.	6		
II	The WAP Application Environment : The Microbrowser– WML – WML Features – WML Script	4	15	<ul style="list-style-type: none"> PPT Slides Chalk and Talk
	WAP Client Software, Hardware, and Websites	2		
	OEM Microbrowsers – Consumer Microbrowsers	3		
	WAP Devices – Consumer WAP Sites.	3		
III	WAP Gateways: A Note on Terminology – WAP Gateway Services – Security – WAP's Security	3	17	<ul style="list-style-type: none"> PPT Slides Chalk and Talk Projector
	Some WAP Profiles: exo – net – MainFreight – Sky City Hotels – A consumer Profile	3		
	What WAP Does well – Implementation an Enterprise WAP Strategy	3		
	The Future of WAP: Problems with WAP – Solving These Problems – The Next Generation.	3		
IV	Document Status : References – Definitions and Abbreviations – WML and URLs	4	16	<ul style="list-style-type: none"> PPT Slides Chalk and Talk Black Board
	WML Character Set – WML Syntax – Core WML Data Types	4		
	Events and Navigation – The State Model	4		
V	The Structure of WML Decks :User Agent Semantics – WML Reference Information	4	16	<ul style="list-style-type: none"> PPT Slides Chalk and Talk
	A Compact Binary Representation of WML	4		
	AD –HOC Network and Bluetooth Technology - Intelligent Mobile Communication System-Fourth Generation mobile Communication Systems	4		

Date of CIAs: As per college calendar/need based amendments.

Date: 15/4/24


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Course Teacher

SRI SARADA COLLEGE FOR WOMEN (Autonomous)
TIRUNELVELI 627011
COURSE TEACHING/LECTURE/EXAM PLAN
DEPARTMENT OF INFORMATION TECHNOLOGY

Department	Name of the faculty/s for the course	Academic year	Class
INFORMATION TECHNOLOGY	Smt. M.Indra	2022-2023	III YEAR
Semester	Course code	Course title	
V	19UITE51B	Fundamentals of E-Commerce	

Title of the book (Text/Reference)	Author/s	Edition & Publisher
Electronic Commerce	Peter Loshin/John Vacca	2004(4) Laxmi Publications
E-Commerce Kenneth	C.Lauden/CarelGuercioTraver	2016(10) Pearson Education India

Unit No	Topics	No. of hours	Proposed days/ date	Remarks-Faculty/ Teaching aids
I	Introduction to E-Commerce : Networks – Transactions – Commercial Transactions –Why use E – Commerce – Internet and other Novelities	4	12	<ul style="list-style-type: none"> PPT Slides Chalk &Talk
	Advantages of E – Commerce – Electronic Transactions Today - World Wide Web	4		
II	Security Technologies : Why Internet Is Unsecure – Internet Security Holes	2	15	<ul style="list-style-type: none"> PPT Slides Chalk &Talk
	Cryptography : Objectives – Codes and Ciphers – Breaking Encryption Schemes	3		
	Signature – Non repudiation an Message Integrity	3		
III	Traditional Transactions : Updating – Offline and Online Transaction	2	14	<ul style="list-style-type: none"> PPT Slides Chalk &Talk
	Secure Web Servers – Required Facilities – Digital Currencies and Payment Schemes	3		
	Protocol for the Public Transport – Security Protocols – Credit Card Business Basics	3		
IV	Online Commerce Options: Functions and Features – Payment Systems: Electronic, Digital and Virtual Internet Payment Schemes	3	12	<ul style="list-style-type: none"> PPT Slides Chalk &Talk
	Account Setup and Costs – Virtual Transaction Process – Info Haus – Security Considerations.	4		
V	Cyber Cash : Model – Security – Customer Protection – Client Application – Selling through Cyber Cash – Servers and Commercial Environments	4	14	<ul style="list-style-type: none"> PPT Slides Chalk &Talk
	Payment Methods – Server Market Orientation - Netscape Commerce Server – Microsoft Internet – Servers– Smart Cards.	4		

Date of CIAs: As per college calendar/need based amendments.

Date: 15/11/24

 Principal


 HoD

SMT. M.INDRA
 Course Teacher

SRI SARADA COLLEGE FOR WOMEN (Autonomous)
TIRUNELVELI 627011
DEPARTMENT OF INFORMATION TECHNOLOGY
COURSE TEACHING/LECTURE/EXAM PLAN

Department	Name of the faculty/s for the course	Academic year	Class
INFROMATION TECHNOLOGY	SEL.VLS.SUMITHIRA	2023-2024	II YEAR
Semester	Course code	Course title	
III	22UITC31	Information Technology and HTML	

Title of the book (Text/Reference)	Author/s	Edition & Publisher
Computer Fundamentals and Windows with Internet Technology	N. Krishnan	Scitech Publication India Pvt.Ltd
Fundamentals of Information Technology	Alexis Leon and Mathew Leon	Vikas Publication


Unit No	Topics	No. of hours	Proposed days/date	Remarks-Faculty/ Teaching aids
I	Information Technology Basics: Introduction, Information, Technology, Information technology, Present Socnario, Role of Information Technology, Information technology, and internet, careers in IT industry	4	15	<ul style="list-style-type: none"> • PPT Slides • Chalk and Talk • Black Board
	Computer Memory and Storage Introduction, memory hierarchy, Random Access Memory (RAM), Read Only memory (ROM).	4		
	Input Output Media: Introduction, types of input devices, type of output devices.	4		
II	Internet: Introduction – what is Internet – History of Internet – How the web works – Web server and clients – ISP, ISDN – Domain naming system – Internet Hypertext	6	15	<ul style="list-style-type: none"> • PPT Slides • Black Board
	HTML – Basic components of HTML – Formatting the HTML text	6		
III	URL - protocol – server name – port – Relative URLs and Absolute URLs – linking to other HTML Documents – Linking inside the same document – Linking to other Internet Services.	10	15	<ul style="list-style-type: none"> • PPT Slides • Chalk and Talk
	Cascading Style sheet	2		
IV	Lists in HTML – ordered Lists – Using ordered lists – Unordered Lists – Directory Lists – Definition Lists – Combining list types	4	15	<ul style="list-style-type: none"> • PPT Slides • Chalk and Talk
	Graphics and Web pages – Image formats and Browsers – Graphics and HTML Documents – Images and Hyperlink anchors – Image Maps	4		
	Introduction to HTML5 - Canvas element to draw shapes and images	4		
V	HTML Tables – aligning table elements – row and column spanning	4	15	<ul style="list-style-type: none"> • PPT Slides • Black Board
	Frames in HTML – Frameset container HTML	4		
	Forms – The <input> tag – Scrolling Marques- Form tags in HTML5	4		

Date of CIAs: As per college calendar/need based amendments.

Date: 13/4/24


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SRI SARADA COLLEGE FOR WOMEN (Autonomous)
TIRUNELVELI 627011
DEPARTMENT OF INFORMATION TECHNOLOGY

Department	Name of the faculty/for the course	Academic year	Class
Information Technology	SMT.N.MENAKA	2023-2024	II Year
Semester	Course code	Course title	
III	22UITC32	Data Structures	

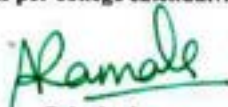
COURSE TEACHING/LECTURE/EXAM PLAN

Title of the book(Text/Reference)	Author/s	Edition&Publisher
Data Structures and Program Design Using C++	D.Malhotra, N.Malhotra	I&StylusPublishing,LLC
C++Data Structures and Algorithms	Wismu Anggoro	I&PacktPublishingLtd

Unit No	Topics	No.of hours	Proposed days/date	Remarks- Faculty/ Teachingaids
I	Introduction: Pseudo code – The Abstract Data Type –A model for an Abstract	4	12	<ul style="list-style-type: none"> • PPT Slides • Blackboard
	Data Type- Algorithms Efficiency.	4		
	Searching: List Searches-Hashed List Searches-Hashed List Searches-Collision Resolution	4		
II	LinkedLists: Linear List Concepts-Linked List Algorithms	4	12	<ul style="list-style-type: none"> • Blackboard • PPT Slides
	Double link list- circular linked list-Processing	4		
	Linked List-Complex Linked List Structure.	4		
III	Stacks and Queues: Basic Stacks operations-Stack Linked List Implementation	4	12	<ul style="list-style-type: none"> • Blackboard • PPT Slides
	Stack Applications-Basic Queue Operations-	4		
	Queue Linked List implementation.	4		
IV	Trees: Basic Tree Concepts-Binary Trees-Binary Tree Traversals	4	12	<ul style="list-style-type: none"> • Blackboard • PPT Slides
	Expression Trees – General Trees – Binary Search Trees-Heap Definition-	4		
	Heap Structure-Basic Heap Algorithm	4		
V	Sorting And Graphs: Sorting Concepts-quick Sort-Merge sort	5	12	<ul style="list-style-type: none"> • Blackboard • PPT Slides
	Insertion sort Graphs: Terminology Operations-Graph Storage Structure	5		
	Networks.	2		

Date of CIAs: As per college calendar/need based amendments.

Date: 15/4/24


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Course Teacher

SRI SARADA COLLEGE FOR WOMEN (Autonomous)
TIRUNELVELI 627011
DEPARTMENT OF INFORMATION TECHNOLOGY
COURSE TEACHING/LECTURE/EXAM PLAN

Department	Name of the faculty/s for the course	Academic year	Class
Information Technology	Selvi S.MURUGESWARI	2023-24	II YEAR
Semester	Course code	Course title	
III	22UITA31	MANAGEMENT INFORMATION SYSTEM	

Title of the book (Text/Reference)	Author/s	Edition & Publisher
Management, Information System	A.K. Gupta	Chand and Company.
Management Information system	Dr. S.P. Rajagopalan	Murgham Publications

Unit No	Topics	No. of hours	Proposed days/date	Remarks-Faculty/ Teaching aids
I	Introduction of MIS: Definition of MIS – Systems approach	4	17	<ul style="list-style-type: none"> • Chalk& Talk • PPT Slides
	Meaning and objectives of MIS-Approaches of MIS Development	4		
	MIS and use of computer – limitations of MIS.	4		
II	Information System for Decision Making: Transaction Processing System- Intelligent Support System	5	16	<ul style="list-style-type: none"> • PPT Slides • YouTube Videos
	Computer Software for information systems: Introduction – system software –Programming Languages	3		
	Application software-Software Trends.	4		
III	Information system in Business: introduction – Functional areas of Business - Marketing information system	4	15	<ul style="list-style-type: none"> • Chalk&Talk • PPT Slides
	Quality Information System- Financial and Accounting Information System	4		
	Human Resource Information System- Geographical Information System-Cross Functional Systems	4		
IV	Application of Information Technology in Business: Introduction of E-Commerce - E-Business	3	16	<ul style="list-style-type: none"> • PPT Slides • YouTube Videos
	Electronic cash over the Internet- Mobile Commerce	3		
	E-Governance, E-enterprises	3		
	From PC to the Web.	3		
V	Information Security, Ethics and Society : Challenges of Securing Computer systems	3	12	<ul style="list-style-type: none"> • Chalk&Talk • PPT Slides
	Types of Security Breaches- Security Controls	3		
	Auditing Information System- Cyber Laws and IT Act 2000	3		
	Ethical and Social Dimensions of Information Technology	3		

Date: 19/4/24


Principal


HoD


Course Teacher

SRI SARADA COLLEGE FOR WOMEN (Autonomous)
TIRUNELVELI 627011
DEPARTMENT OF INFORMATION TECHNOLOGY
COURSE TEACHING/LECTURE/EXAM PLAN

Department	Name of the faculty/s for the course	Academic year	Class
INFROMATION TECHNOLOGY	SMT. N.MENAKA	2023-2024	II YEAR
Semester	Course code	Course title	
III	22UNIT3A	NME- Essentials of Information Technology	

Title of the book (Text/Reference)	Author/s	Edition & Publisher
Introduction to Computers	Peter Norton	McGraw Hill Education
Information Technology and Computer Application	V.K.Kapoor	Sultan Chand & Sons

Unit No	Topics	No. of hours	Proposed days/date	Remarks-Faculty/ Teaching aids
I	Information Technology Basics : Introduction, Information, Technology, Information Technology, Present Scenario, Role of Information Technology, Information Technology and Internet, Careers in IT industry.	3	12	<ul style="list-style-type: none"> PPT Slides
	Computer Organization and Architecture : Central Processing Unit, Inside a Computer, Data representation in Computer, Coding Schemes..	3		
II	Computer Memory and Storage Introduction: Memory Hierarchy, Random Access Memory (RAM), Read Only Memory (ROM), RAM, ROM and CPU Interaction	3	12	<ul style="list-style-type: none"> PPT Slides Black Board
	Types of Secondary Storage Devices, Magnetic Tape, Magnetic Disk, Types of Magnetic Disk, Optical Disk, type of optical disks.	3		
III	Input Output Media : Introduction, types of input devices, types of output devices.	3	12	<ul style="list-style-type: none"> PPT Slides Chalk and Talk
	Multimedia Essentials : Introduction, Multimedia: Definition, Building Blocks of multimedia, multimedia system, multimedia applications, Virtual reality.	3		
IV	The Internet : Introduction Evolution of Internet – Basic Internet Terms – Getting Connect to Internet – Internet Applications – Data over Internet. WWW-HTML- HTML Tags	3	12	<ul style="list-style-type: none"> PPT Slides Chalk and Talk
	Internet Tools : Introduction – Web Browser – Browsing Internet using Internet Explorer – E – Mail – Search Engines – Instant Messaging.	3		
V	Emerging Trends in IT : Introduction, E-Commerce – Electronic Data Interchange – Mobile Communication – Bluetooth – Global Positioning System – Infrared Communication – Smart Card – Imminent Technologies.	6	12	<ul style="list-style-type: none"> PPT Slides Black Board

Date of CIAs: As per college calendar/need based amendments.

Date: 15/4/24


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Course Teacher

SRI SARADA COLLEGE FOR WOMEN (Autonomous)
TIRUNELVELI 627011
DEPARTMENT OF INFORMATION TECHNOLOGY
COURSE TEACHING/LECTURE/EXAM PLAN

Department	Name of the faculty/s for the course	Academic year	Class
INFROMATION TECHNOLOGY	SMT.M.INDRA	2023-2024	I YEAR
Semester	Course code	Course title	
I	23UITC11	C PROGRAMMING	

Title of the book (Text/Reference)	Author/s	Edition & Publisher
Let us C	Yashwanth Kanetkar	2016(15) BPB Publications, Delhi
Programming in ANSI C	E.Balaguruswami	2011(5) Tata McGraw Hill, Delhi

Unit No	Topics	No. of hours	Proposed days/date	Remarks-Faculty/ Teaching aids
I	Overview of C : Importance of C, sample C program, C program structure, executing C program. Constants, Variables, and Data Types: Character set, C tokens	4	15	<ul style="list-style-type: none"> PPT Slides
	keywords and identifiers, constants, variables, data types, declaration of variables, Assigning values to variables-Assignment statement	4		
	declaring a variable as constant, as volatile. Operators and Expressions -Managing Input and Output Operations.	4		
II	Decision Making and Branching: Decision making with If, simple IF, IF ELSE, nested IF ELSE.	6	15	<ul style="list-style-type: none"> PPT Slides Chalk and Talk
	ELSE IF ladder, switch, GOTO statement. Decision Making and Looping: While, Do-While, For, Jumps in loops.	6		
III	Arrays: Declaration and accessing of one & two-dimensional arrays, initializing two-dimensional arrays, multidimensional arrays. Functions: The form of C functions, Return values and types	5	15	<ul style="list-style-type: none"> PPT Slides Chalk and Talk
	calling a function, categories of functions, Nested functions, Recursion, functions with arrays, call by value, call by reference, storage classes-character arrays and string functions.	5		
IV	Defining, giving values to members, initialization and comparison of structure variables, arrays of structure, arrays within structures,	6	15	<ul style="list-style-type: none"> PPT Slides Black Board
	structures within structures, structures and functions, unions. Preprocessors: Macro substitution, file inclusion.	6		
V	Pointers: definition, declaring and initializing pointers, accessing a variable through address and through pointer, pointer expressions, pointer increments and scale factor	6	15	<ul style="list-style-type: none"> PPT Slides Black Board
	pointers and arrays, pointers and functions, pointers and structures. File Management in C: Opening, closing and I/O operations on files, random access to files, command line arguments.	6		

Date of CIAs: As per college calendar/need based amendments.

Date: 15/4/24


Principal


HoD

SMT M.INDRA
Course Teacher

SRI SARADA COLLEGE FOR WOMEN (Autonomous)
TIRUNELVELI 627011
DEPARTMENT OF INFORMATION TECHNOLOGY
COURSE TEACHING/LECTURE/EXAM PLAN

Department	Name of the faculty/s for the course	Academic year	Class
INFORMATION TECHNOLOGY	SMT.N.MENAKA	2023-2024	I YEAR
Semester	Course code	Course title	
I	23UITGEI	SOFTWARE ENGINEERING	

Title of the book (Text/Reference)	Author/s	Edition & Publisher
Software Engineering,	Ian Sommerville	McGraw-Hill.
Software Engineering	Roger S. Pressman	Seventh Edition, McGraw-Hill.

Unit No	Topics	No. of hours	Proposed days/date	Remarks-Faculty/ Teaching aids
I	Introduction: The software engineering discipline, programs vs. software products, why study software engineering, the emergence of software engineering.	5	15	<ul style="list-style-type: none"> • PPT Slides • Chalk and Talk
	Notable changes in software development practices, computer systems engineering. Software Life Cycle Models: Why use a life cycle model, Classical waterfall model	5		
	iterative waterfall model, prototyping model, evolutionary model, spiral model, comparison of different life cycle models.	4		
II	Requirements Analysis and Specification: Requirements gathering and analysis, Software requirements specification (SRS)	4	15	<ul style="list-style-type: none"> • PPT Slides • Black Board
	Software Design: Good software design, cohesion, and coupling, neat arrangement, software design approaches, object-oriented vs function-oriented design	4		
III	Function-Oriented Software Design: Overview of SA/SD methodology, structured analysis, data flow diagrams (DFD's), structured design, detailed design.	4	15	<ul style="list-style-type: none"> • PPT Slides • Chalk and Talk
	User-Interface design: Characteristics of a good interface; basic concepts; types of user interfaces; component based GUI development, a user interface methodology.	4		
IV	Coding and Testing: Coding; code review; testing; testing in the large vs testing in the small; unit testing; black-box testing; white-box testing; debugging; program analysis tools; integration testing; system testing; some general issues associated with testing.	4	15	<ul style="list-style-type: none"> • PPT Slides • Projector • Black Board
	Software Reliability and Quality Management: Software reliability; statistical testing; software quality; software quality management system; SEI capability maturity model; personal software process.	6		
V	Computer Aided Software Engineering: CASE and its scope; CASE environment; CASE support in software life cycle; other characteristics of CASE tools; towards second generation CASE tool; architecture of a CASE environment.	6	15	<ul style="list-style-type: none"> • PPT Slides • Black Board
	Software Maintenance: Characteristic of software maintenance; software reverse engineering; software maintenance process models; estimation of maintenance cost;	6		

Date of CIAs: As per college calendar/need based amendments.

Date: 15/4/24


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Course Teacher

SRI SARADA COLLEGE FOR WOMEN (Autonomous)
TIRUNELVELI 627011
DEPARTMENT OF INFORMATION TECHNOLOGY
COURSE TEACHING/LECTURE/EXAM PLAN

Department	Name of the faculty/s for the course	Academic year	Class
Information Technology	Selvi S.MURUGESWARI	2023-24	I YEAR
Semester	Course code	Course title	
I	23UITFC1	PROBLEM SOLVING TECHNIQUES	

Title of the book (Text/Reference)	Author/s	Edition & Publisher
How to Solve it by Computer	R. G. Dromey	Pearson India, 2007.
Problem Solving with Computers	Greg W. Scragg	Jones & Bartlett 1st edition, 1996

Unit No	Topics	No. of hours	Proposed days/date	Remarks-Faculty/ Teaching aids
I	Introduction: Notion of algorithms and programs – Requirements for solving problems by computer – The problem-solving aspect: Problem definition phase, Getting started on a problem	3	15	<ul style="list-style-type: none"> Chalk& Talk PPT Slides
	The use of specific examples, Similarities among problems, Working backwards from the solution – General problem-solving strategies	3		
	Problem solving using top-down design – Implementation of algorithms – The concept of Recursion	2		
II	Fundamental Algorithms: Exchanging the values of two variables – Counting - Summation of a set of numbers	3	13	<ul style="list-style-type: none"> PPT Slides Black Board
	Factorial computation - Sine function computation - Fibonacci Series generation	2		
	Reversing the digits of an integer – Base Conversion	2		
III	Factoring Methods: Finding the square root of a number – The smallest divisor of an integer – Greatest common divisor of two integers	3	13	<ul style="list-style-type: none"> Chalk&Talk PPT Slides
	Generating prime numbers – Computing the prime factors of an integer – Generation of pseudo-random numbers	3		
	Raising a number to a large power – Computing the nth Fibonacci number	2		
IV	Array Techniques: Array order reversal – Array counting or histogramming – Finding the maximum number in a set	2	12	<ul style="list-style-type: none"> PPT Slides Chalk and Talk
	Removal of duplicates from an ordered array - Partitioning an array	2		
	Finding the kth smallest element – Longest monotone subsequence	2		
V	Text Processing and Pattern Searching: Text line length adjustment – Left and right justification of text	2	12	<ul style="list-style-type: none"> Chalk&Talk PPT Slides
	Keyword searching in text – Text line editing – Linear pattern search	2		
	Recursive algorithms: Towers of Hanoi – Permutation generation.	2		

Date: 15/4/24

Amala
Principal

N.Mh
HoD

for N.Mh
Course Teacher

SRI SARADA COLLEGE FOR WOMEN (Autonomous)
TIRUNELVELI 627011
DEPARTMENT OF INFORMATION TECHNOLOGY
COURSE TEACHING/LECTURE/EXAM PLAN

Department	Name of the faculty/s for the course	Academic year	Class
INFORMATION TECHNOLOGY	SELVLS.SUMITHIRA	2023-2024	1 YEAR
Semester	Course code	Course title	
I	23UNIT11	Office Automation	

Title of the book (Text/Reference)	Author/s	Edition & Publisher
The Complete Reference Office 2000	Stephen L. Nelson	Tata McGraw Hill
Introduction to Computers	Peter Norton	Tata McGraw Hill

Unit No	Topics	No. of hours	Proposed days/date	Remarks-Faculty/ Teaching aids
I	Introductory concepts: Memory unit – CPU-Input Devices: Key board, Mouse and Scanner. Output devices: Monitor, Printer.	3	12	<ul style="list-style-type: none"> • PPT Slides • Chalk and Talk
	Introduction to Operating systems & its features: DOS – UNIX– Windows. Introduction to Programming Languages.	3		
II	Word Processing: Open, Save and close word document; Editing text – tools, formatting, bullets; Spell Checker - Document formatting	3	12	<ul style="list-style-type: none"> • PPT Slides • Chalk and Talk
	Paragraph alignment, indentation, headers and footers, numbering; printing – Preview, options, merge	3		
III	Spreadsheets: Excel – opening, entering text and data, formatting, navigating; Formulas – entering, handling and copying.	3	12	<ul style="list-style-type: none"> • PPT Slides • Chalk and Talk
	Charts – creating, formatting and printing, analysis tables, preparation of financial statements, introduction to data analytics.	3		
IV	Database Concepts: The concept of data base management system; Data field, records, and files, Sorting and indexing data; Searching records.	3	12	<ul style="list-style-type: none"> • PPT Slides • Chalk and Talk
	Designing queries, and reports; Linking of data files; Understanding Programming environment in DBMS; Developing menu drive applications in query language (MS – Access).	3		
V	Power point: Introduction to Power point - Features – Understanding slide typecasting & viewing slides – creating slide shows. Applying special object – including objects & pictures – Slide transition – Animation effects, audio inclusion, timers.	3	12	<ul style="list-style-type: none"> • PPT Slides

Date of CIAs: As per college calendar/need based amendments.

Date: 15/4/24


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Course Teacher

SRI SARADA COLLEGE FOR WOMEN (Autonomous)
TIRUNELVELI 627011
COURSE TEACHING/LECTURE/EXAM PLAN

Department	Name of the faculty/s for the course	Academic year	Class
Commerce	Dr.A.RAJESWARI	2023 – 2024	I B.COM
Semester	Course Code	Course title	
I	23UCMC11	FINANCIAL ACCOUNTING-I	

Title of the book (Text/Reference)	Author/s	Edition & Publisher
Financial Accounting	T. S. Reddy & A. Murthy	Margham Publications, Chennai
Advanced Accountancy	Dr. Arulanandan and Raman	, Himalaya Publications, Mumbai
Financial Accounting	S.N. Maheshwari	, Vikas Publications, Noida.

Unit No	Topics	No. of hours	Proposed days/date	Remarks-Faculty/ Teaching aids
I	Fundamentals of Financial Accounting	3	15	Chalk and Talk
	Financial Accounting – Meaning, Definition, Objectives, Basic Accounting Concepts and Conventions.			
	Journal, Ledger Accounts– Subsidiary Books – Trial Balance.	4		
	Classification of Errors – Rectification of Errors – Preparation of Suspense Account – Need and Preparation.	4		
	Bank Reconciliation Statement.	4		
II	Final Accounts, Final Accounts of Sole Trading Concern.	3	15	Chalk and Talk
	Capital and Revenue Expenditure and Receipts	3		
	Preparation of Trading, Profit and Loss Account and Balance Sheet with Adjustments.	9		
III	Depreciation and Bills of Exchange Depreciation - Meaning – Objectives – Accounting Treatments	3	15	Chalk and Talk
	Types - Straight Line Method – Diminishing Balance method – Conversion method. Annuity Method – Depreciation Fund Method – Insurance Policy Method – Revaluation Method – Depletion Method – Sum of Digits Method – Machine Hour Rate Method.	6		
	Bills of Exchange – Definition – Specimens – Discounting of Bills – Endorsement of Bill – Collection – Noting – Renewal – Retirement of Bill under rebate – Insolvency of Acceptor – Accommodation.	6		
IV	Accounting from Incomplete Records Incomplete Records -Meaning and Features - Limitations - Difference between Incomplete Records and Double Entry System	4	15	Chalk and Talk
	Methods of Calculation of Profit - Statement of Affairs Method	3		
	Preparation of final statements by Conversion method.	3		
	Average Due Date and Account Current.	5		
V	Royalty and Insurance of Claims Meaning – Minimum Rent – Short Working.	2	15	Chalk and Talk
	Short Working – Recoupment of Short Working	3		
	Lessor and Lessee – Sublease – Accounting Treatment.	5		
	Insurance Claims –Calculation of Claim Amount–Average clause (Loss of Stock only)	5		

Date:


Principal


HoD


for p. Subha
Course Teacher

Sri Sarada College for Women (Autonomous), Tirunelveli 627 011
Course Teaching/Lecture/Exam Plan

Department	Name of the faculty/s for the course	Academic year	Class
Commerce	Dr. R. Kavitha	2023 - 2024	I B.Com
Semester	Course code	Course title	
I	23UCMC12	Principles of management	

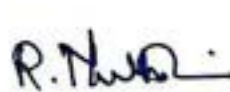
Title of the book (Text/Reference)	Author/s	Edition & Publisher
Principles and practice of management	Prasad L.M	9 th Edition 2015 sultan Chandand sons, New Delhi
Principles of Management	Tripathi. P.C	4 th Edition 2008 Tata MC Graw Hill Publishing Co., New Delhi

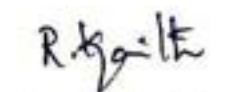
Unit No	Topics	No. of hours	Proposed days/date	Remarks-Faculty/ Teaching aids
I	Introduction To Management: Meaning , Features, Function of management , managerial skills	6	15	Black Board
	Levels of management , Role of Manager	4		Black Board
	Management as science or art, Contribution to Management by F.W.Taylor, Elton Mayo and Peter .F.Drucker	5		Black Board
II	Planning , Importance of planning	3	15	Black Board
	Process of planning , Types of planning	3		Black Board
	Objectives , Policies , Procedures	3		Black Board
	Strategies and program obstacles to effective planning	3		Black Board
	Decision making , Types of decision, Process of decision making decision tree,MBO	3		Black Board
III	Organisations , Importance, Principal of organising organizational structure	6	15	Black Board
	Line and functional organization charts and Manual	3		Black Board
	Departmentation, Delegation, Authority and Responsibility, Centralisation and Decentralisation	6		Black Board
IV	Directing , Importance and Principal of Directing	3	15	Black Board
	Motivation , Theories of Motivation, Maslow ,Herzberg Theroies	6		Black Board
	Communication process, Barriers of effective communication, Leadership , Definition, Styles of leadership	6		Black Board
V	Co – ordination , Meaning , Requirements of effective Co – ordination, Importance Types of Co – ordination	6	15	Black Board
	Control, Definition , Nature, Importance , Elements , Essential of effective control	5		Black Board
	Control process, Control Technique, Traditional and modern.	4		Black Board

Date of CIAs: As per college calendar/need based amendments.

Date:


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HoD


Course Teacher

SRI SARADA COLLEGE FOR WOMEN (Autonomous)

TIRUNELVELI 627011

COURSE TEACHING/LECTURE/EXAM PLAN

Department	Name of the faculty/s for the course	Academic year	Class
Commerce	Dr. Milka Vijayan	2023-24	I B.Com
Semester	Course code	Course Title	
I	23UCMGEIC	Business Economics	

Title of the book (Text/Reference)	Author/s	Edition & Publisher
Business Economics	S.Shankaran	Margham Publications, Chennai
Business Economics	H.L. Ahuja	Sultan Chand & Sons, New Delhi

Unit No	Topics	No. of hours	Proposed days/date	Remarks- Faculty/ Teaching aids
I	Introduction to Economics: Introduction to Economics – Wealth, Welfare and Scarcity - Views on Economics	12	2	Black Board
	Positive and Normative Economics - Definition – Scope and Importance of Business Economics - Concepts		3	
	Production Possibility frontiers – Opportunity Cost – Accounting Profit and Economic Profit – Incremental and Marginal Concepts – Time and Discounting Principles – Concept of Efficiency		3	
	Business Cycle:- Theory, Inflation, Depression, Recession, Recovery, Reflation and Deflation		2	
			2	
II	Demand & Supply Function - Meaning of Demand - Demand Analysis: Demand Determinants	12	3	Black Board
	Law of Demand and its Exceptions. Elasticity of Demand: Definition, Types, Measurement and Significance		4	
	Demand Forecasting - Factors Governing Demand Forecasting - Methods of Demand Forecasting, Law of Supply and Determinants		5	
III	Consumer Behaviour : Consumer Behaviour – Meaning, Concepts and Features – Law of Diminishing Marginal Utility – Equi-Marginal Utility	12	2	Black Board
	Cardinal and Ordinal concepts of Utility - Indifference Curve: Meaning, Definition, Assumptions, Significance and Properties		4	
	Consumer's Equilibrium, Price, Income and Substitution Effects. Types of Goods: Normal, Inferior and Giffen Goods		3	
	Derivation of Individual Demand Curve and Market Demand Curve with the help of Indifference Curve		3	
IV	Theory of Production: Concept of Production - Production Functions: Linear and Non – Linear Homogeneous Production Functions - Law of Variable Proportion – Laws of Returns to Scale - Difference between Laws of variable proportion and returns to scale	12	3	Black Board
	Economies of Scale : Internal and External Economies – Internal and External Diseconomies - Producer's equilibrium		5	
			4	
V	Market Structure: Price and Output Determination under Perfect Competition, Short Period and Long Period Price Determination	12	3	Black Board
	Objectives of Pricing Policy, its importance, Pricing Methods and Objectives – Price Determination under Monopoly, kinds of Monopoly, Price Discrimination		4	
	Determination of Price in Monopoly – Monopolistic Competition – Price Discrimination, Equilibrium of Firm in Monopolistic Competition		3	
	Oligopoly – Meaning – Features, "Kinked Demand" Curve.		2	
TOTAL		60		

Date:


Principal


HoD


Course Teacher

SRI SARADA COLLEGE FOR WOMEN (Autonomous)
TIRUNELVELI 627011
COURSE TEACHING/LECTURE/EXAM PLAN

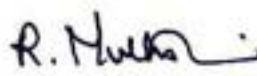
Department	Name of the faculty/s for the course	Academic year	Class
Commerce	Dr. P. SUBHA	2023 – 2024	I B.COM
Semester	Course Code	Course title	
I	23UCMFC1	Fundamental Concepts of Accounting & Commerce	


Title of the book (Text/Reference)	Author/s	Edition & Publisher
Financial Accounting	T. S. Reddy & A. Murthy	Margham Publications, Chennai
Principles of Management	N. Premavathy	Sri Vishnu Publication, Chennai
Elements of Mercantile Law	N. D. Kapoor	Sultan Chand & Sons, New Delhi.

Unit No	Topics	No. of hours	Proposed days/date	Remarks-Faculty/ Teaching aids
I	Definition – Systems of Accounting – Functions of Accounting	2	6	Chalk and Talk
	Basis of Accounting – Classification of Accounts – Golden Rules of Accounting - Examples	2		
	Books of Accounts – Manual Vs Software	2		
II	Financial Statements – Meaning and Contents	2	6	Chalk and Talk
	Reporting – Different types of accounting	1		
	Introductions to Corporate Accounting	1		
	Cost Accounting and Management Accounting	2		
III	Overview of Business Laws	2	6	Chalk and Talk
	Overview of Company Law	2		
	Overview of Commercial Law	1		
	Overview of Industrial Law	1		
IV	Communication – Meaning and Definition	2	6	Chalk and Talk
	Types of Communication	1		
	Process of Communication	1		
	Barriers to Communication	6		
V	Management – Meaning and Definition.	1	6	Chalk and Talk
	Types and Functions of Business Management.	2		
	Skills for and Entrepreneur.	1		
	Qualities of an entrepreneur.	2		

Date:


Principal


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Course Teacher

SRI SARADA COLLEGE FOR WOMEN (Autonomous)
TIRUNELVELI 627011
COURSE TEACHING/LECTURE/EXAM PLAN

Department	Name of the faculty/s for the course	Academic year	Class
Commerce	Dr.A.RAJESWARI	2023 – 2024	I B.SC Maths/Phy/Eng
Semester	Course Code	Course title	
I	23UNCM11	FUNDAMENTALS OF FINANCIAL ACCOUNTING	

Title of the book (Text/Reference)	Author/s	Edition & Publisher
Financial Accounting	T.S.Reddy & A.Murthy	, Margham Publications, Chennai, 2011
Advanced Accountancy	Dr. Arulanandan and Raman	, Himalaya Publications, Mumbai
Financial Accounting	S.N. Maheshwari	, Vikas Publications, Noida.

Unit No	Topics	No. of hours	Proposed days/date	Remarks-Faculty/ Teaching aids
I	Introduction to Accountancy: Meaning & Definition of Book keeping- Meaning & Definition of Accounting.	2	6	Chalk and Talk
	Functions of Accounting-characteristics of Accounting	2		
	Objectives of Accounting-Advantages & Limitations of Accounting	2		
II	Books of original Records-Journal: Various terms used in Accounting- Types of Accounts-Meaning -Double entry system of Book keeping- Meaning -Rules of Double Entry.	2	6	Chalk and Talk
	Advantages of Double Entry system-Distinction between single entry system Double entry system-format of Journal Entry.	1		
	Preparation of journal entries- Practical exercise for the preparation of Journal entries	3		
III	Main Books of Accounts-Ledger: Meaning of Ledger- Subdivision of Ledger-Difference between Journal & Ledger	2	6	Chalk and Talk
	Standard form of Ledger Account-Methods of Ledger Posting.	1		
	Methods of closing & Balancing Accounts in the Ledger-Practical Exercise for the preparation of Ledger.	3		
IV	Trial Balance: Meaning of Trial balance-objectives of drawing a Trial balance-Standard form of Trial balance	3	6	Chalk and Talk
	Practical Exercise for the preparation of Trial balance	3		
V	Final Accounts of a Sole Proprietor- Meaning of Final Accounts- objectives of Final Accounts-Distinction between Trial balance & Balance sheet	2	6	Chalk and Talk
	Trading Accounts-Meaning, purpose& its format.Profit & Loss Account: Meaning, Purpose & its format.	2		
	Balance sheet- Meaning, Purpose & its format.Simple adjustments in Final Accounts-Practical Exercises for the preparation of final Accounts	2		

Date:


Principal


HoD


Course Teacher

SRI SARADA COLLEGE FOR WOMEN (Autonomous)
TIRUNELVELI 627011
COURSE TEACHING/LECTURE/EXAM PLAN

Department	Name of the faculty/s for the course	Academic year	Class
Commerce	Dr. Milka Vijayan Dr. P. Subha	2023-24	II B.Com
Semester	Course code	Course Title	
III	22UCMC31	Business Accounting	

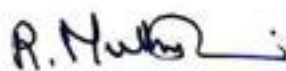
Title of the book (Text/Reference)	Author/s	Edition & Publisher
Fundamentals of Advanced Accounting	R.S.N.Pillai, Bagavathi & S.Uma	S.Chand & Company Ltd., New Delhi
Financial Accountancy	T.S.Reddy & A. Murthy	Margham Publications, Chennai

Unit No	Topics	No. of hours	Proposed days/date	Remarks-Faculty/ Teaching aids
I	Departmental Accounting: Introduction – Methods and Techniques - Departmental Trading - Profit and Loss Accounts - Inter Departmental Transfers.	18hrs	9	Black Board
	Departmental Trading - Profit and Loss Accounts - Inter Departmental Transfers.		9	
II	Royalty Account: Meaning – Treatment in final accounts	18hrs	1	Black Board
	Technical terms - Sub-lease - Minimum rent - Short workings		9	
	Recoupment of short working – Strike - Sublease.		8	
III	Contract account: Meaning – Features – Types	18hrs	1	Black Board
	Accounting Procedure - Work certified – Work Uncertified		8	
	Treatment of Profits – Work-in- progress.		9	
IV	Hire Purchase and Installment System: Meaning - Definition – Features - Difference between hire purchase and installment system	18hrs	4	Black Board
	Calculation of Cash price and interest		10	
	Default and Repossession.		4	
V	Insolvency Accounts: Meaning - Insolvency Act - Procedure under Insolvency Act	18hrs	3	Black Board
	Difference between insolvency of an individual and partnership - Difference between balance sheet and Statement of affairs		3	
	Insolvency of an individual – Statement of Affairs – Deficiency Account.		12	

Date of CIAs: As per college calendar/need based amendments.

Date:


Principal


HoD


Course Teacher

**SRI SARADA COLLEGE FOR WOMEN (Autonomous),
TIRUNELVELI - 627011.**

COURSE TEACHING/LECTURE/EXAM PLAN

Department	Name of the Faculty For the Course	Academic year	Class
Commerce	M.Dhanalakshmi	2023-2024	II B.Com
Semester	Course code	Course Title	
III	22UCM33	Banking Theory Law and Practice	

Title of the book (Text/Reference)	Authors	Edition & Publisher
Banking Technology	E.Gordon and k.Natarajan	Himalaya Publishing House 2009(22)
Banking	S.M.sundaram	Meenakshi Publisher ,Madurai 2012 (9)

Unit. No	Topic	No.Of. Hours	Proposed Day/Date	Remarks- Faculty Teaching Aid
I	Banking System: Banking Regulation Act, 1949	2	18	Chalk and Talk
	Definition –Major Provisions -Indigenous Bankers	2		
	Commercial Banks-Functions –Kinds -Co-Operative Banks	3		
	Regional Rural Bank –Public Sector Bank -Private Sector bank.	3		
	Land development Banks –Industrial Development Banks	4		
	NABARD –EXIM, Banks – Foreign Exchange Banks	4		
II	Kinds of deposits –Fixed –Current –Saving –Recurring & Others.	6	15	Chalk and Talk
	Lending Loans & Advances –Principles of sound lending	6		
	Forms of advances –Loan, Cash credit, Over draft	3		
III	Negotiable instruments: Definition –Features	3	18	Chalk and Talk
	Kinds -Promissory note, Bill of exchange	4		
	Cheque - Meaning –Drawing of the cheque	5		
	Crossing- Meaning -Types	6		
IV	Digital Banking Channels: Internet banking	3	18	Chalk and Talk
	Mobile banking,	3		
	Electronic Funds Transfer ATM ,Debit &Smart Card,	4		
	E-Cash- Swift	4		
	RTGS – NEFT	4		
V	Reserve Bank of India: Management of RBI	6	18	Chalk and Talk
	Nationalization –Objectives	4		
	Legal framework	4		
	Functions of Reserve Bank of India	4		

Date


Principal


HOD


Course Teacher

SRI SARADA COLLEGE FOR WOMEN (Autonomous)
TIRUNELVELI 627011

COURSE TEACHING/LECTURE/EXAM PLAN


Department	Name of the faculty for the Course	Academic Year	Class
Commerce	M.Dhanalakshmi	2023-2024	II B.Com
Semester	Course code	Course Title	
III	22UNCM3A	Principles of Accountancy	

Title of the book (Text/Reference)	Authors	Edition & Reference
Financial Accounting	T.S.Reddy&A.Murthy	Margham publication Chennai 2011(6)
Advanced Accounting	S.P.Jain&L.Narang	Kalyani publisher, New Delhi 2012(18)

Unit No	Topic	No. of Hours	Proposed Day/Date	Remarks- Faculty Teaching Aid
I	Accounting:Meaning –Definition –Functions	1	6	Chalk and Talk
	Advantages –Limitations of Book Keeping	1		
	Difference between Accounting and Book-Keeping	1		
	Accounting Principles –Concepts and Conventions	2		
	Single Entry System Vs Double Entry System.	1		
II	Journal:Meaning-Rules for Debit and Credit	2	6	Chalk and Talk
	Procedure of journalizing	2		
	Compound Journal Entry	1		
	Advantages	1		
III	Ledger: Features of Ledger Accounts	2	6	Chalk and Talk
	Difference between Journal and Ledger	1		
	Ledger Posting	1		
	Preparation of Ledger Accounts	2		
IV	Trial Balance: Meaning –Definition	1	6	Chalk and Talk
	Features - Objectives	2		
	Preparation of Trial Balance	3		
V	Final Accounts: Trading Accountt –Advantages	2	6	Chalk and Talk
	Profit and loss account - Advantages	2		
	Balance Sheet.(Simple Problem)	2		

Date


Principal


HOD


Course Teacher

SRI SARADA COLLEGE FOR WOMEN (Autonomous)
TIRUNELVELI 627011
COURSE TEACHING/LECTURE/EXAM PLAN

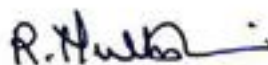
Department	Name of the faculty/s for the course	Academic year	Class
Commerce	Dr. P. SUBHA	2023 – 2024	II B. Com (CS)
Semester	Course Code	Course title	
III	22USBE31	MODERN BANKING	


Title of the book (Text/Reference)	Author/s	Edition & Publisher
Banking Theory Law & Practice	E. Gordon & K. Natarajan	2015 (24) Himalaya Publishing Ltd, New Delhi
Banking Theory Law & Practice	Dr. Radha	2012 (3) Prasanna Publishers, Chennai

Unit No	Topics	No. of hours	Proposed days/date	Remarks-Faculty/ Teaching aids
I	Banker and Customer- Relationship between banker and customer-General & Special relationship – Rights of the banker	6	15	Chalk and Talk
	- Negotiable instruments - Promissory note, Bill of exchange & Cheque (Meaning & Features)	5		
	Proper Drawing of the cheque – Crossing (Definition & Types) – Endorsement (Definition & Kinds) – Material alteration.	4		
II	Banking System- Branch Banking and unit banking system - Group banking and chain banking.	5	15	Chalk and Talk
	Deposit banking and mixed banking - Narrow banking - Universal banking - local area banking.	4		
	Indigenous Bankers-Commercial Banks-Co-Operative Banks-Land development Banks	3		
	Industrial Development Banks - NABARD- EXIM Banks – Foreign Exchange Banks.	3		
III	Traditional Banking- Receiving Deposits- General Precautions-Kinds of deposits – Fixed – Current – Saving – Recurring & Others.	4	15	Chalk and Talk
	Lending Loans & Advances – Principles of sound lending	3		
	forms of advances – loan, cash credit, over draft & purchasing and discounting of bills.	3		
	Mode of charging security – lien, pledge, mortgage, assignment & hypothecation.	5		
IV	Modernized Banking- Core banking-Home banking-Retail banking-Internet banking	3	15	Chalk and Talk
	Online banking and Offline banking – Mobile banking	5		
	Inter- Bank mobile payment service(IMPS)-Electronic Funds Transfer – ATM and Debit Card	5		
	Smart Card – Credit Card – E-Cash – RTGS.	2		
V	Reserve Bank of India- Constitutions- Nationalization - Main Functions of Reserve Bank of India.	6	15	Chalk and Talk
	Reserve Bank of India- Constitutions- Nationalization - Main Functions of Reserve Bank of India.	5		
	The Reserve bank and Industrial finance.	2		
	Bill Market scheme - Methods of Credit Control.	2		

Date:


Principal


HoD


Course Teacher

Sri Sarada College for Women (Autonomous), Tirunelveli 627011

Course Teaching/Lecture/Exam Plan

Department	Name of the faculty/s for the Course	Academic Year	Class
Commerce (C@)	Dr. V. Sangeetha Dr. R. Kavitha	2023 - 2024	III B.Com
Semester	Course Code	Course Title	
V	22UCMC51	CORPORATE ACCOUNTING	

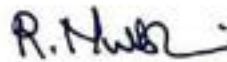
Title of the book (Text/Reference)	Author/s	Edition & Publisher
Corporate Accounting	T.S.Reddy & A.Murthy	2007 (6), Margham Publishers, Chennai
Corporate Accounting	S.P.Jain & K.L.Narang	2002 (3), Kalyani Publishers, New Delhi
Corporate Accounting	M.M.Varma, R.K.Agarwal	2002 (1) King Book Publishers, New Delhi.
Advanced Accountancy	Schgal, Ashok, Schagal, Deepa	2008 (1), Taxmann Allied Services (P) Ltd, New Delhi.
Advanced Accountancy	Dr.M..Arunachalam	2012 (1), Himalaya Publishing House, New Delhi

Unit No	Topics	No. of hours	Proposed days/date	Remarks-Faculty/ Teaching aids
I	Issue of shares: Meaning - Definition – Salient features of Joint Stock Company – Distinction between Firm and Company – Kinds of Companies – Issues of Shares- at Par, at Premium and at Discount - Pro rata allotment - Forfeiture and Re- issue of Shares - Preference Shares - Forfeiture of Shares – Redemption of Preference Share - Issue of Debentures (Excluding reduction of debentures).	3 4 3 2 3	15	Black Board
II	Valuation of Goodwill and Shares: Definition– Nature– Sources of Goodwill – Need for valuing Goodwill – Factors affecting value of Goodwill – Methods-Average Profit Method-Super Profit Method - Capitalisation Method - Methods of Valuation of Shares – Net Assets/Intrinsic value -Yield Method/Earning Capacity – Fair Value Method.	5 5 5	15	Black Board
III	Final Accounts of Companies (as per Schedule II of Companies Act 2013): Introduction – P&L Account – Tax Adjustment - Dividend – Transfer to Reserve – Managerial Remuneration - Perquisites to be included in Managerial Remuneration - Administrative ceiling regarding Managerial Remuneration - Computation of Net Profit for Managerial Remuneration.	4 4 3 4	15	Black Board
IV	Amalgamation, Absorption and External Reconstruction: Meaning under Accounting Standard (AS-14) – Types of Amalgamation – Accounting problems relating to Amalgamation and External Reconstruction – Purchase Consideration – Computation of Purchase Consideration – Lump Sum Method Methods of Purchase Consideration. (Simple Problems only).	3 3 6 3	15	Black Board
V	Profit Prior to Incorporation: Introduction – Treatment of Profit or Loss prior to Incorporation – Methods of ascertaining Profit or Loss prior to Incorporation – Basis of apportionment of expenses – Steps involved in ascertaining pre and post incorporation profit - Underwriting of Shares and Debentures.	4 6 5	15	Black Board

Date of CIAs: As per college calendar/need based amendments.

Date:


Principal


HoD

1. V. Sangeetha
2. R. Kavitha
Course Teacher

SRI SARADA COLLEGE FOR WOMEN (Autonomous)
TIRUNELVELI 627011
COURSE TEACHING/LECTURE/EXAM PLAN

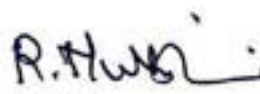
Department	Name of the faculty/s for the course	Academic year	Class
Commerce	Dr.R.Muthulakshmi	2023 - 2024	III B Com
Semester	Course code	Course title	
5	19UCOC52	Cost Accounting	

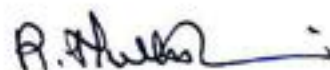
Title of the book (Text/Reference)	Author/s	Edition & Publisher
1.Cost Accounting	R.S.N.Pillai&V.Bagavathi	2019 (19) – S. Chand & Company LTD ,Ramnagar , New Delhi.
2.Cost Accounting	S.P.Jain&Narang	2004 (1) – Kalyani Publishers, New Delhi
1.Cost Accounting 2.Cost Accounting 3.Cost Accounting	S.P.Iyenger Dr.Radha T.S.Reddy and Y.Hari Prasad Reddy	2005(10) – Sultan Chand & Sons, New Delhi. 2013 (1) – Prassana Publication, Chennai. 2011(4) – Margham Publication, Chennai.

Unit No	Topics	No. of hours	Proposed days/date	Remarks- Faculty/ Teaching aids
I	Introduction – Cost – Classification of Cost – Element of Costing – Costing – Methods of Costing – Types of Costing – Cost Accounting – Objectives and Functions of Cost Accounting – Scope – Advantages and Limitations – Preparation of Cost Sheet (Simple Problems)	12	12	Chalk and talk
II	Process Costing: Meaning – Definition – Differences between Job and Process Costing – Accounting Wastages – Scrap – Defect – Joint Products and By-product – Costing Procedures – Losses and Gains in process – Accounting treatment of Normal and Abnormal Losses – Abnormal Gain (Simple problems).	12	12	Chalk and talk
III	Marginal Costing : – Meaning – Definition – Characteristics – Marginal costing Vs Absorption Costing – Uses and Limitations – Marginal Cost Equation – CVP Analysis – Contribution – Break Even Analysis – Assumptions of BEP – Break Even Chart – P/V analysis – Margin of Safety – Key factors	12	12	Chalk and talk
IV	Budgetary Control: Budget – Meaning – Definition – Objective – Budgeting – Budgetary Control – Advantage and Limitation – Steps for Implementation – Classification of Budgets – Flexible Budgets – Production and Sales Budget – Cash Budget – Zero Base Budgeting – Master Budget.	12	12	Chalk and talk
V	Standard Costing : Meaning – Definition – Preliminaries to the establishment of the Standard Cost – Standard Costing Vs Budgetary Control – Standard cost Vs Estimated Cost – Variances – Materials Variances – Labour Variances – Overheads Variances – Sales and Profit Variances (Simple problems)	12	12	Chalk and talk

Date:


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Course Teacher

SRI SARADA COLLEGE FOR WOMEN (Autonomous)
TIRUNELVELI 627011
COURSE TEACHING/LECTURE/EXAM PLAN

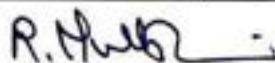
Department	Name of the faculty/s for the course	Academic year	Class
Commerce	Sri S.Sankaralingam	2023 - 2024	III B Com
Semester	Course code	Course title	
5	19UCOC53	Business Law	

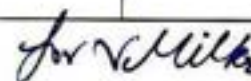
Title of the book (Text/Reference)	Author/s	Edition & Publisher
1.Business Law 2.Business Law	N.D.Kapoor Nirmal Singh	2014 (5) – Sultan Chad & Sons , New Delhi. 2004 (1) Deep & Deep Publication, New Delhi
1.Business Law 2.Business Law 3.Business Law	S.M.Sundaram M.C.Kuchal Rao, PettinaMohana	2011 (2) KaraikudiMeenakshi Publication. 1996(1) – Vikas Publication New Delhi. 2013 (1) PHI Learning, New Delhi.

Unit No	Topics	No. of hours	Proposed days/date	Remarks- Faculty/ Teaching aids
I	Indian Contract Act, 1872: Essentials of a valid Contract – Classification – Offer – Acceptance – Consideration – Capacity of the parties – Free consent – Legality of Object and Consideration – void agreement – Contingent contracts	15	15	Chalk and Talk
II	Performance of contract: Time and Place for Performance – Reciprocal Promises – Rules for Reciprocal Promises – Discharge of Contract – Meaning – Modes of discharge of contracts – Discharge by impossibility – Breach of Contract – Remedies – Quasi Contracts.	15	15	Chalk and Talk
III	Special Contracts: Meaning – Definition – Indemnity – Guarantee – Kinds of Guarantee – Differences between Contract of Indemnity and Contract of Guarantee – Rights of Surety against Creditor, Principal Debtors and Co-surety – Discharge of surety from liability.	15	15	Chalk and Talk
IV	Bailment: Meaning – Kinds of Bailment – Duties of Bailor – Duties of Bailee – Rights of lien – Finder of lost goods - Pledge – Essentials of Pledge – Duties of Pawnor and Pawnee – Bailment Vs Pledge - Contract of Agency – Duties and Rights of an agent – Duties of Principal – Sub agent and Substitutes Agent – Termination of Agency.	15	15	Chalk and Talk
V	Sales of Goods Act : Sale – Agreement to Sell – Differences between Sale and Agreement to Sell – Conditions and Warranties – Differences between Conditions and Warranty – Condition treated as a Warranty – Sales and Hire Purchase Agreement – Meaning – Classification – Documents of title to Goods – Rights and Duties of buyers and sellers – Rights of unpaid.	15	15	Chalk and Talk

Date:


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Course Teacher

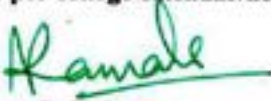
SRI SARADA COLLEGE FOR WOMEN (Autonomous)
TIRUNELVELI 627011
COURSE TEACHING/LECTURE/EXAM PLAN

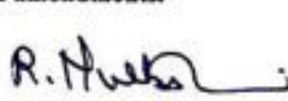
Department	Name of the faculty/s for the course	Academic year	Class
Commerce	Dr. Milka Vijayan	2023-24	III B.Com
Semester	Course code	Course Title	
V	22UCOC5L4	Income Tax, Law and Practices- I	

Title of the book (Text/Reference)	Author/s	Edition & Publisher
Income Tax Theory, Law and Practice	T.S.Reddy and Y.Hari Prasad Reddy	2023(1) Margham Publications, Chennai
Income tax Law and Accounts	Dr. H.C. Mehrotra and Dr. S.P. Goyal	2023 (38) Sahitya Bhawan Publications, Agra.

Unit No	Topics	No. of hours	Proposed days/date	Remarks-Faculty/ Teaching aids
I	Basic Concept: Capital and Revenue (Expenses and Receipts) Taxable entities- Person, Assessee, previous and assessment year	12hrs	4	Black Board
	Total income, gross total income – Concept of income – Agricultural Income - Income exempted from tax.		8	
II	Residential Status: Classification of Residential status of taxable entities- Computation of Residential status of an individual	12hrs	4	Black Board
	Basic and addition condition		1	
	Incidence of taxation – Meaning of income received, accrued, deemed to be received - Deemed to be accrued - problems.		7	
III	Income from Salary: Features of salary- Due date of salary-Receipts included under salary	12hrs	2	Black Board
	Different forms of salary- Basic salary – Commission - Bonus- Allowances		3	
	Provident fund-Advance and arrears of salary		2	
	Perquisites – Problems in computation of salary income.		5	
IV	Income from House property: Meaning - Annual value – Standard deduction – Unrealized rent	12hrs	2	Black Board
	Problems in computation of house property income - Let out house		7	
	Self occupied house-Gross Annual value		3	
V	Income under the Head Business or profession: Definition of Business - Definition of Profession	12hrs	1	Black Board
	Meaning of Business and Profession – Income chargeable to Tax under the Head - Allowable expenses		5	
	Expressly disallowed expenses – Computation of business and professional income.		6	

Date of CIAs: As per college calendar/need based amendments.

Date: 
Principal


HoD


Course Teacher

SRI SARADA COLLEGE FOR WOMEN (Autonomous)

TIRUNELVELI 627011

COURSE TEACHING/LECTURE/EXAM PLAN

Department	Name of the faculty/s for the course	Academic year	Class
Commerce	Dr. Milka Vijayan	2023-24	III B.Com
Semester	Course code	Course Title	
V	22UCMCP51	Commerce for Competitive Examination & Project	

Title of the book (Text/Reference)	Author/s	Edition & Publisher
Income Tax Theory, Law and Practice	T.S.Reddy and Y.Hari Prasad Reddy	2023(1) Margham Publications, Chennai
Fundamentals of Advanced Accounting	R.S.N.Pillai, Bagavathi & S.Uma	S.Chand & Company Ltd., New Delhi

Unit No	Topics	No. of hours	Proposed days/date	Remarks-Faculty/ Teaching aids
I	Financial Accounting & Cost Accounting : Accounting Principles – Concepts and Conventions – Accounts and classification– Double entry system of Accounting –	12hrs	4	Black Board
	Journal – Ledger – Subsidiary Books – Trial balance – Final Accounts - Definition of costing – uses of costing – objects and advantages – difference between cost and		4	
	financial accounts – installation of costing systems – analysis and classification of costs – preparation of cost sheet – reconciliation of cost and financial books.		4	
II	Taxation : Taxation - Types of Taxes - Canons of Taxation – Important Definitions: Assessment, Assessment Year, Previous Year (including Exceptions),	12hrs	5	Black Board
	Assessee, Person, Income, Casual Income, Gross Total Income, Agricultural Income Calculation of Tax Liability of an individual- GST.		7	
III	Business Statistics and Research Methods: Index numbers- Regression analysis -Correlation-Measures of Dispersion- Measures of Central Tendency -Meaning and	12hrs	4	Black Board
	purpose -types of research -Pure and applied, survey, case study experimental, exploratory -Research Design -		5	
	Meaning and purpose -types of research -Pureand applied, survey, case study experimental, exploratory -Research Design -Primary and secondary data - Report writing - Hypothesis testing -Processing and analysis of data		3	
IV	E - Marketing techniques: Meaning - Applications of 7 P's (Product, Price, Place, Promotion, Personalization,	12hrs	6	Black Board
	Physical Evidence, Process) E-Advertising Techniques: Banners, Sponsorships, Portals - Online coupons.		6	
V	Economics and Auditing: Definition and meaning of business economics – basic concepts – importance and limitations of business economics –goods – types of	12hrs	3	Black Board
	goods – wants – law of diminishing utility – consumer surplus -definition and meaning of business economics – basic concepts – importance and limitations of business		5	
	economics –goods – types of goods – wants – law of diminishing utility – consumer surplus. Demand analysis - Production analysis -Pricing of the product –Profit analysis.		4	

Date of CIAs: As per college calendar/need based amendments.

Date:


Principal


HoD


Course Teacher

SRI SARADA COLLEGE FOR WOMEN (Autonomous)
TIRUNELVELI 627011
COURSE TEACHING/LECTURE/EXAM PLAN


Department	Name of the faculty/s for the course	Academic year	Class
Commerce	Dr. A RAJESWARI	2023 – 2024	I M. Com
Semester	Course Code	Course title	
I	23PCMC11	BUSINESS FINANCE	

Title of the book (Text/Reference)	Author/s	Edition & Publisher
Financial Management	R.P.Rustagi	2003 Galgotia Publishing Company
Financial Management	P.M Pandey	Vikas Publication Pvt. Ltd.
Financial Management	Dr.R.Ramachandran and Dr.R.Srinivasan	Sri Ram Publications

Unit No	Topics	No. of hours	Proposed days/date	Remarks-Faculty/ Teaching aids
I	Introduction to Business Finance and Time Value of Money Business Finance: Meaning, Objectives, Scope-Time Value of Money-Meaning, Causes	4	18	Chalk and Talk
	Compounding-Discounting-Sinking Fund Deposit Factor-Capital Recovery Factor.	4		
	Multiple Compounding-Effective rate of interest-Doubling Period(Rules of 69 and Rules of 72)	4		
	Practical Problems	6		
II	Risk Management Risk and Uncertainty: Meaning-Sources of Risk-Measurement of Return	5	18	Chalk and Talk
	General Pattern of Risk and Return-Criteria for evaluating the risk.	5		
	Proposals to minimise Risk(Single Asset and Portfolio)	4		
	Methods of Risk Management-Hedging Currency risk.	4		
III	Startup Financing and Leasing: Meaning, Sources, Modes(Bootstrapping, Angel Investors, Venture Capital fund)	6	18	Chalk and Talk
	Leasing-Meaning- Types of Lease Agreements-Advantages and Disadvantages of Leasing	4		
	Financial evaluation from the perspective of Lessor and Lessee.	4		
	Problems	4		
IV	Cash, Receivable and Inventory Management Cash Management-Meaning, Objectives and Importance.	3	18	Chalk and Talk
	Cash Cycle-Minimum Operating Cash-Safety level of cash-Optimum cash balance.	4		
	Receivable Management: Meaning-Credit policy-Controlling receivables: Debt Collection Period, Ageing Schedule, Factoring-Evaluating investment in accounts receivable.	6		
	Inventory Management: Meaning and Objectives-EOQ with Price breaks-ABC Analysis.	5		
	Multi National Capital Budgeting. Multi National Capital Budgeting: Meaning, Steps involved, Complexities, Factors to be Considered	6	18	Chalk and Talk
	International Sources of Finance-Techniques to evaluate multi national capital expenditure proposals: Discounted Pay Back Period, NPV, Profitability Index, Net Profitability Index.	6		
	Internal Rate of Return-Capital rationing-Techniques of Risk analysis in Capital Budgeting.	6		

Date:


Principal


HoD


for p. Subha.
Course Teacher

Sri Sarada College for Women (Autonomous), Tirunelveli 627011

Course Teaching/Lecture/Exam Plan

Department	Name of the faculty/s for the Course	Academic Year	Class
Commerce	Dr. V. Sangeetha Selvi. M. Dhanalakshmi	2023 - 2024	I M.Com
Semester	Course Code	Course Title	
I	23PCMC12	DIGITAL MARKETING	

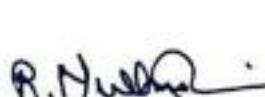
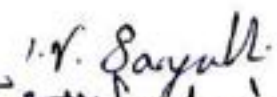
Title of the book (Text/Reference)	Author/s	Edition & Publisher
"Fundamentals of Digital Marketing",	Puneet Singh Bhatia	2 nd Edition, Pearson Education Pvt Ltd, Noida., (2019)
"Digital Marketing",	Dave Chaffey, Fiona Ellis-Chadwick,	Pearson Education Pvt Ltd, Noida. (2019)
"Digital Marketing Analytics",	Chuck Hemann& Ken Burbary,	Pearson Education Pvt Ltd, Noida. (2019)
"Digital Marketing"	Seema Gupta,	(2022) 3 rd Edition, McGraw Hill Publications Noida.
"Digital Marketing: Complete Digital Marketing Tutorial",	Kailash Chandra Upadhyay,	(2021) Notion Press, Chennai
"Digital Marketing",	Michael Branding,	(2021) Empire Publications India Private Ltd, New Delhi.
"Digital Marketing",	Vandana Ahuja,	Oxford University Press. London. (2016)
"Digital Marketing",	Ryan Deiss & Russ Henneberry,	John Wiley and Sons Inc. Hoboken. (2017)
"Digital Marketing - A Practical Approach",	Alan Charlesworth	Routledge, London. (2014),
Digital Marketing Strategy, "An Integrated approach to Online Marketing",	Simon Kingsnorth	(2022) Kogan Page Ltd. United Kingdom.
"Digital Marketing",	MaityMousy,	(2022) 2 nd Edition, Oxford University Press, London

Unit No	Topics	No. of hours	Proposed days/date	Remarks-Faculty/ Teaching aids
I	Introduction to Digital Marketing Digital Marketing – Transition from traditional to digital marketing – Rise of internet – Growth of e-concepts – Growth of e-business to advanced e-commerce – Emergence of digital marketing as a tool – Digital marketing channels – Digital marketing applications, benefits and limitations – Factors for success of digital marketing – Emerging opportunities for digital marketing professionals.	5 5 6 3	19	PPT
II	Online marketing mix Online marketing mix – E-product – E-promotion – E-price – E-place – Consumer segmentation – Targeting – Positioning – Consumers and online shopping issues – Website characteristics affecting online purchase decisions – Distribution and implication on online marketing mix decisions.	6 1 6 6	19	PPT
III	Digital media channels Digital media channels – Search engine marketing – cPR – Affiliate marketing – Interactive display advertising – Opt-in-email marketing and mobile text messaging, Invasive marketing – Campaign management using – Facebook, Twitter, Corporate Blogs – Advantages and disadvantages of digital media channels – Metaverse marketing.	2 4 6 1 6	19	PPT
IV	Online consumer behavior Online consumer behavior – Cultural implications of key website characteristics – Dynamics of online consumer visit – Models of website visits – Web and consumer decision making process – Data base marketing – Electronic consumer relationship management – Goals – Process – Benefits – Role – Next generation CRM.	2 3 1 4 3 6	19	PPT
V	Analytics and Gamification Digital Analytics – Concept – Measurement framework – Demystifying web data - Owned social metrics – Measurement metrics for Facebook, Twitter, YouTube, Slide Share, Pinterest, Instagram, Snapchat and LinkedIn – Earned social media metrics - Digital brand analysis – Meaning – Benefits – Components – Brand share dimensions – Brand audience dimensions – Market influence analytics – Consumer generated media and opinion leaders – Peer review – Word of mouth – Influence analytics – Mining consumer generated media – Gamification and game based marketing – Benefits – Consumer motivation for playing online games.	2 3 5 5 3 1	19	PPT

Date of CIAs: As per college calendar/need based amendments.

Date:


Principal

 
HoD Course Teacher

SRI SARADA COLLEGE FOR WOMEN (Autonomous)
TIRUNELVELI 627011
COURSE TEACHING/LECTURE/EXAM PLAN

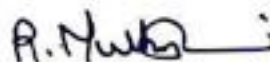
Department	Name of the faculty/s for the course	Academic year	Class
Commerce	Dr. P. SUBHA	2023 – 2024	I M. Com
Semester	Course Code	Course title	
I	23PCMC13	Banking and Insurance	

Title of the book (Text/Reference)	Author/s	Edition & Publisher
Banking Theory, Law and Practice	Sundharam KPM & Varshney P. N., (2020)	20 th Edition, Sultan Chand & Sons, New Delhi.
Insurance and Risk Management	Gupta P. K. 2021	6 th Edition, Himalaya Publishing House Pvt Ltd, Mumbai.

Unit No	Topics	No. of hours	Proposed days/date	Remarks-Faculty/ Teaching aids
I	Banking: Brief History of Banking - Rapid Transformation in Banking: Customer Shift - Fintech Overview - Fintech Outlook - The Financial Disruptors	6	18	Chalk and Talk
	Digital Financial Revolution - New Era of Banking. Digital Banking – Electronic Payment Systems–Electronic Fund Transfer System	6		
	Electronic Credit and Debit Clearing – NEFT – RTGS –VSAT–SFMS–SWIFT.	6		
II	Distributed Ledger Technology – Blockchain: Meaning - Structure of Block Chain - Types of Block Chain - Differences between DLT and Blockchain - Benefits of Blockchain and DLT	8	18	Chalk and Talk
	Unlocking the potential of Blockchain –Crypto currencies, Central Bank Digital Currency (CBDC)	3		
	Role of DLT in financial services - AI in Banking: Future of AI in Banking - Applications of AI in Banking	3		
	Importance of AI in banking - Banking reimaged with AI. Cloud banking - Meaning - Benefits in switching to Cloud Banking.	4		
III	History of Insurance in India – Definition and Functions of Insurance–Insurance Contract – Indian Insurance Market	4	18	Chalk and Talk
	Reforms in Insurance Sector – Insurance Organization – Insurance organization structure.	6		
	Insurance Intermediaries: Insurance Broker –Insurance Agent - Surveyors and Loss Assessors	4		
	Third Party Administrators (Health Services) – Procedures-Code of Conduct.	4		
IV	Customer Service in Insurance – Quality of Service-Role of Insurance Agents in Customer Service-Agent’s Communication and Customer Service	4	18	Chalk and Talk
	Ethical Behaviour in Insurance – Grievance Redressal System in Insurance Sector	5		
	Integrated Grievance Management System-Insurance Ombudsman	4		
	Insurance Regulatory and Development Authority of India Act (IRDA) – Regulations and Guidelines.	5		
V	Risk Management and Control in banking and insurance industries	5	18	Chalk and Talk
	Methods of Risk Management	5		
	Risk Management by Individuals and Corporations	4		
	Tools for Controlling Risk.	4		

Date:


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Course Teacher

**SRI SARADA COLLEGE FOR WOMEN (Autonomous),
TIRUNELVELI - 627011.**

COURSE TEACHING/LECTURE/EXAM PLAN

Department	Name of the Faculty For the Course	Academic year	Class
Commerce	Dr. R. Muthulakshmi & M.Dhanalakshmi	2023-2024	I M.Com
Semester	Course code	Course Title	
I		Strategic Human Resource Management	

Title of the book (Text/Reference)	Authors	Edition & Publisher
Banking Technology	E.Gordon and k.Natarajan	Himalaya Publishing House 2009(22)
Banking	S.M.sundaram	Meenakshi Publisher ,Madurai 2012 (9)

Unit. No	Topic	No.Of. Hours	Proposed Day/Date	Remarks- Faculty Teaching Aid
I	Introduction to SHRM SHRM- Meaning, Features, Evolution, Objectives, Advantages	2	12	Chalk and Talk
	Barriers to SHRM, SHRM v/s Traditional HRM	2		
	Steps in SHRM, Roles in SHRM	3		
	SHRM- Meaning, Features, Evolution	3		
	Objectives, Advantages, Barriers to SHRM, SHRM v/s Traditional HRM, Steps in SHRM, Roles in SHRM	2		
II	Models of SHRM Models of SHRM – High Performance Working Model, High Commitment Management Model,	6	12	Chalk and Talk
	High Involvement Management Model - HR Environment	3		
	Environmental trends and HR Challenges -Linking SHRM and Business Performance.	3		
III	Strategic Planning and Compensation Resourcing Strategy: Meaning and Objectives - Strategic HR Planning: Meaning, Advantages, Interaction between Strategic Planning and HRP	3	12	Chalk and Talk
	Managing HR Surplus and Shortages, Strategic Recruitment and Selection: Meaning and Need -	3		
	Strategic Human Resource Development: Meaning, Advantages and Process	3		
	Strategic Compensation as a Competitive Advantage - Rewards Strategies: Meaning, Importance - Employee Relations Strategy, Retention Strategies, Strategies for Enhancing Employee Work Performance.	3		
		3		
IV	Human Resource Policies Human Resource Policies – Meaning, Features, Purpose of HR Policies, Process of Developing HR Policies	3	12	Chalk and Talk
	Factors affecting HR Policies, Areas of HR Policies in Organisation, Requisites of Sound HR Policies –	3		
	Recruitment, Selection, Training and Development, Performance Appraisal	3		
	Compensation, Promotion, Outsourcing, Retrenchment,	3		

	Barriers to Effective Implementation of HR Policies and Ways to Overcome these Barriers.			
V	Latest trends in Strategic HRM Mentoring - Employee Engagement – Meaning, Factors Influencing Employee Engagement, Strategies for Enhancing Employee Engagement	4	12	Chalk and Talk
	Competency based HRM: Meaning, Types of Competencies and Benefits of Competencies for Effective Execution of HRM Functions	4		
	Human Capital Management: Meaning and Role - New Approaches to Recruitment- Employer Branding.	4		

Date

Ramale
Principal

R. N. M. S.
HOD

M. S. H.
Course Teacher

Sri Sarada College for Women (Autonomous), Tirunelveli 627011

Course Teaching/Lecture/Exam Plan

Department	Name of the faculty/s for the course	Academic year	Class
Commerce	Dr. V. Sangeetha Dr. R. Kavitha	2023 - 2024	II M.Com
Semester	Course code	Course title	
III	22PCMC31	ADVANCED CORPORATE ACCOUNTING	

Title of the book (Text/Reference)	Author/s	Edition & Publisher
Advanced Accounting	Jain S.P Narang K.L	Reprint 2002, Kalyani Publishers, Chennai
Advanced Accountancy	Gupta R.L Radhaswamy.M	2014 (17) Sultan Chand and Sons, New Delhi
Fundamentals of Advanced Accounting Volume – II	R.S.N Pillai, Bagavathi,Uma.S	2014 (3), Sultan Chand and Sons, New Delhi
Advanced Accountancy Volume – II	M.Wilson	2009, Scitech Publications, New Delhi
Corporate Accounting	T.S.ReddyDr.A.Murthy	2015 (6), Margham Publications, Chennai

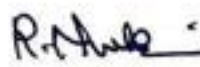
Unit No	Topics	No. of hours	Proposed days/date	Remarks-Faculty/ Teaching aids
I	Valuation of Goodwill and Shares- Factors affecting valuation of goodwill methods of evaluating – Valuation of goodwill Need for valuation- Methods of valuation of shares	6 6 6	18	Black Board
II	Amalgamation - Meaning - Amalgamation and absorption Types of amalgamation purchase consideration Absorption and Reconstruction of Companies internal - External - problems.	6 6 6	18	Black Board
III	Holding Company Accounts - Meaning –Objectives Advantages - minority interest-Cost of control capital and revenue profit- revaluation of assets and liabilities- treatment of dividend - sale of shares- share premium- preliminary expenses- consolidated Balance sheet-problems.	2 4 6 6	18	Black Board
IV	Accounts of Banking Companies - Meaning – Objectives –Advantages- legal provisions Disposal of non-banking assets restrictions on commission and dividend- CRR and SLR Money at call and short notice- Acceptances- Advances Endorsements- Bill for Collection- Rebate on bill discounted problems.	2 3 4 3 6	18	PPT & Black Board
V	Accounts of Life and General Insurance Companies Meaning – Objectives –Advantages Types of insurance- Annual accounts Consideration for annuities granted determination of profit balance sheet – accounts of general insurance Reserve for unexpired risk - problems.	2 3 5 5 3	18	PPT & Black Board

Date of CIAs: As per college calendar/need based amendments.

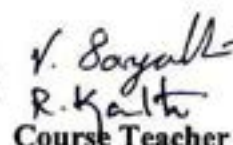
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V. Sangeetha
R. Kavitha
Course Teacher

Sri Sarada College for Women (Autonomous), Tirunelveli 627011

Course Teaching/Lecture/Exam Plan

Department	Name of the faculty/s for the course	Academic year	Class
Commerce	Dr. N. Kamala Dr. V. Sangeetha	2023 - 2024	II M.Com
Semester	Course code	Course title	
III	22PCMC32	TAXATION AND TAX PLANNING	

Title of the book (Text/Reference)	Author/s	Edition & Publisher
Income Tax Law & Accounts	Mehrotra.H.CGoyalS.P	2022(59), Sahitya Bhawan Publishers, Agra.
Income Tax	SinghaniaK.Vinod SinghaniaMonica	2022(54), Taxman Publications, Chennai
Income Tax	T.S.Reddy And A.Murthy	2022(12), Margham Publications, Chennai

Unit No	Topics	No. of hours	Proposed days/date	Remarks-Faculty/ Teaching aids
I	Introduction to Income Tax: Income Tax – History of Income tax in India Basic Concepts - Definitions – Agricultural income Scope of Total Income - Residential status and Incidence of Income Tax – Capital and Revenue – Incomes which are exempted from Tax. Tax Planning – meaning – Tax Planning and Tax evasion - Tax saving.	6 6 6	18	Black Board
II	Heads of Income: Heads of Income – Salary Income - Basis of Charge - Computation of Gross Salary Income – Deductions from Salary income – Problems on computation of Salary Income.	6 6 6	18	Black Board
III	Income from House Property: Income from House property – Basis of Charge - Computations of House Property Income – Deductions form House Property Income - Assessment of income of co-owners of House property – Income from Foreign house property – Problems	2 4 6 6	18	Black Board
IV	Income from Business and Profession: Income from Business and Profession – Definition - Basis of charge – computation of business or profession income – Deductions allowable – Depreciation allowance Disallowed deductions – Problems on computation of Business and Profession	2 3 4 3 6	18	PPT & Black Board
V	Capital Gains and Computation of Total Income: Capital gains–Basis of Charge - Definitions–Capital assets– Transfer–computation of income from Capital Gains – Exemptions allowable from the Computation of Total Income - Deductions U/S 80- Problems - Calculation of Tax Liability.	2 3 5 5 3	18	PPT & Black Board

Date of CIAs: As per college calendar/need based amendments.

Date:


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HoD Course Teacher

Sri Sarada College for Women (Autonomous), Tirunelveli 627011
Course Teaching/Lecture/Exam Plan

Department	Name of the faculty/s for the course	Academic year	Class
Commerce	Dr. R. Muthulakshmi Selvi. M. Dhanalakshmi	2023 - 2024	II M.Com
Semester	Course code	Course title	
III	22PCMC33	RESEARCH METHODOLOGY	

Title of the book (Text/Reference)	Author/s	Edition & Publisher
Research Methodology	SaravanaVel.P	2005 (16) KitabMahal, New Delhi
Research Methodology Methods And Techniques	Kothari C.R	2006 (2) New Age International Publications, New Delhi
Research Methodology in Commerce	S.Mohan&R.Ilangovan	2007 Deep & Deep Publication Pvt, Ltd, New Delhi.
Research Methodology	V.PanneerSelvam	2008 (1) PHI Learning, New Delhi.
Research Methodology in Commerce & Management	RAO.K.V	2012 (3) Sterling Publishers Pvt Ltd, New Delhi

Unit No	Topics	No. of hours	Proposed days/date	Remarks-Faculty/ Teaching aids
I	Research -Meaning and purpose -types of research -Pure and applied, survey, case study experimental, exploratory -Research Design - Steps in selection and formulation of research problem - steps in research design- Sample design- Sampling process- principles - Essentials of a good sample - methods of sample - sampling error- Research in social sciences.	18		Black Board
II	Methods of data collection -Primary and secondary data -observation -interview - questionnaire -construction of tools for data collection -testing validity and reliability - pilot study and pre-testing - case study- Research problem - selection and formulation	18		Black Board
III	Processing and analysis of data -editing - coding - transcription- tabulation - Analysis and interpretation of data-outline of statistical analysis -descriptive statistics - elements of processing through computers -packages for analysis - Documentary sources of data- schedules and Questionnaire - Interview.	18		Black Board
IV	Hypothesis testing - Types- parametric test- Hypothesis testing of means hypothesis testing for differences between means- limitation of tests of hypothesis, sources -Testing -sampling techniques- sampling error and sample size. Techniques of hypothesis testing	18		PPT & Black Board
V	Report writing -target audience -types of reports - contents of reports - styles and conventions in reporting - steps in drafting a report - Quotations- plagiarism and acknowledgement - evaluation of research report - Presentation of report.	18		PPT & Black Board

Date of CIAs: As per college calendar/need based amendments.

Date:

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Principal

R. H. Sub...
HoD

R. H. Sub...
Course Teacher

Sri Sarada College for Women (Autonomous), Tirunelveli 627011

Course Teaching/Lecture/Exam Plan

Department	Name of the faculty/s for the course	Academic year	Class
Commerce	Dr. P. Subha	2023 - 2024	II M.Com
Semester	Course code	Course title	
III	22PCMC34	SECURITY ANALYSIS AND PORTFOLIO MANAGEMENT	

Title of the book (Text/Reference)	Author/s	Edition & Publisher
Investment Management	V.A.Avadhani	2001 Himalaya Publishing House, New Delhi
Security Analysis and Portfolio management	Donald E.Fischer	2004(6) Pearson Publications, South Asia
Investment analysis and portfolio Management	Prasanna Chandra	2008 (1) Tata McGrawhill Publishing co Ltd. New Delhi
Investment	F.SharpeWilliah, Alexander, Gordon.JBelleyJefte.R.V	2009 (5) Prentice Hall of India Private Ltd, New Delhi
Investment Management	V.K.Bhalla	2014 (6) Sultan Chand And Sons, New Delhi

Unit No	Topics	No. of hours	Proposed days/date	Remarks-Faculty/ Teaching aids
I	INTRODUCTION TO INVESTMENT AND SECURITY ANALYSIS Meaning of investment – speculation and Gambling – Investment avenues -Types of investors – Investment objectives – The investment process – Security Analysis- Meaning of security – Types of securities – Meaning of securityanalysis.	18		Black Board
II	RISK AND RETURN Computation of return – Meaning and definition of risk –Types: (Systematic risk- Market risk, Purchasing power risk, Interest rate risk, Unsystematic risk- Business risk (Internal, External), Financial risk) – Minimising risk exposure. Risk measurement - Standard deviation – Meaning of Beta – Computation and interpretation – Use of beta in estimating returns. (Including simple problems)	18		Black Board
III	SECURITIES RETURN AND VALUATION ANALYSIS Fixed-Income Securities- Overview of fixed-income securities – Risk factors in fixed-income securities (Systematic and unsystematic) – Bond analysis – Types of bonds- Major factors in bond rating process – Bond returns – Holding period return - Concept of yield – Current yield – Yield-to-Maturity – Price-yield relationship – Convexity - Term structure of interest rates and yield curve – Duration - Valuation of preference shares. Stock Return and Valuation – Anticipated returns, Present value of returns, Constant Growth model, Two-Stage Growthmodel, The Three-Phase Model, Valuation through P/E ratio.	18		Black Board
IV	PORTFOLIO MANAGEMENT Efficient Market Hypothesis (EMH) – Random Walk theory – Forms of EMH –EMH and empirical findings – Implication of EMH on fundamental and technical analysis – Market inefficiencies. Portfolio Analysis – Selection and Evaluation – Meaning of portfolio – Reasons to hold portfolio – Diversification analysis – Markowitz's Model – Assumptions – Specific model – Risk and return optimization – Efficient frontier – Efficient portfolios – Leveraged portfolios – Cornerportfolios – Sharpe's Single Index model – Portfolio evaluation measures – Sharpe's Performance Index – Treynor's Performance Index – Jensen's Performance Index.	18		PPT & Black Board
V	CAPITAL MARKET THEORY : Capital Market Theory – CAPM theory: Assumptions – CAPM Model – CapitalMarketLine (CML) – Security Market Line (SML) – Evaluation of securities – Present validity of CAPM – Arbitrage Pricing Theory (APT) – Assumptions – APTmodel – AP equation – Factors affecting return – APT and CAPM.	18		PPT & Black Board

Date of CIAs: As per college calendar/need based amendments.

Date:

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P. Subha
Course Teacher

Sri Sarada College for Women (Autonomous), Tirunelveli 627011

Course Teaching/Lecture/Exam Plan

Department	Name of the faculty/s for the course	Academic year	Class
COMPUTER APPLICATIONS	Dr. V. Sangeetha	2023 - 2024	II MCA
Semester	Course code	Course title	
III	22PCAC31	FINANCIAL MANAGEMENT AND ACCOUNTING	

Title of the books	Author/s	Edition & Publisher
Advanced Accounting	S.P. Jain and KL. Narang	2008(1) Kalyani publishers, New Delhi
Financial Management	I M Pandey	2016(11) Vikas Publishing House, Chennai
Management Accounting	R.S.N. Pillai, V. Bagavathi	Revised Edition 2010 S Chand, New Delhi
Management Accounting	Bhattacharyya Debarshi	2011(1) Pearson Education Bangalore
Advanced Accounting: Theory & Practice	Jayaprakash Reddy	2004(1) APH Publishing Corporation, New Delhi

Unit No	Topics	No. of hours	Proposed days/date	Remarks-Faculty/ Teaching aids
I	Principles, Accounting concepts: Methods of recording the Journal, the ledger, Balancing the ledger, trial balance and preparation of Trial Balance. Final accounts - preparation of Trading, profit and loss account and Balance sheet of Sole trader concern with normal closing entries. Financial Management - Meaning - Objectives - Scope.	3 4 2 3	12	Black Board
II	Ratio Analysis: Meaning - classifications of ratios - Profitability ratios - Turnover ratios- Financial ratios - Advantages - Limitations - Practical problems. Fund Flow Analysis - Meaning of the term Fund, Fund flow, Working capital, statement of changes in working capital - preparation of fund Flow statement, practical problems	5 4 3	12	PPT
III	Cost Accounting: Meaning of Costing, Cost Accounting - Scope - importance, Cost classification - preparation of Cost sheet. Budget and Budgetary Control - Meaning, Budget, Budgetary, control- Advantages - Limitations - preparation of budgets - viz., production, budget, sales budget, purchase budget flexible budget, Cash budget.	4 4 4	12	PPT
IV	Marginal Costing: Nature - Scope - importance - Break-even point - Break even chart - PN ratio - Marginal costing and Management decisions - viz. Make or buy, shut down or continue, expand or contract, Sales-mix decisions, Product replacement decisions, change, V. s. status quo, Capital Expenditure decisions - practical problems. Standard Costing and Variance analysis - nature, scope, uses, Computation and analysis of variances with reference to material - Cost and Labor cost.	3 2 5 2	12	Black Board
V	Introduction to Computer Accounting: Coding - Master Files - transaction files - documents used for data collection - processing of different files - outputs obtained.	5 3 4	12	Black Board

Date of CIAs: As per college calendar/need based amendments.

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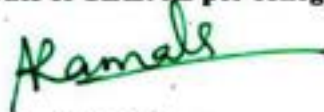
SRI SARADA COLLEGE FOR WOMEN (Autonomous)
TIRUNELVELI 627011
COURSE TEACHING/LECTURE/EXAM PLAN

Department	Name of the faculty/s for the course	Academic year	Class
Commerce (Corporate Secretaryship)	Dr R.PUSHPALATHA & Dr P.SUGANYA	2023-2024	I.B.Com (CS)
Semester	Course code	Course title	
I	23UCCCI1	FINANCIAL ACCOUNTING I	

Title of the book (Text/Reference)	Author/s	Edition & Publisher
Financial Accounting- I	S. P. Jain and K. L. Narang	Kalyani Publishers, New Delhi.
Financial Accounting	S.N. Maheshwari	Vikas Publications, Noida.

Unit	Contents	No. of Hours	Proposed days/date	Remarks- Faculty/ Teaching aids
I	FINAL ACCOUNT Preparations of final Accounts of a Sole Trading Concern- Adjustments-Closing stocks	3	15	Chalk & Talk
	Outstanding and Prepaid items, Depreciation, provision for Bad Debts, Provision for Discount on Debtors and creditors, interest on Capital and Drawings.	3		
		3		
		3		
		3		
II	ACCOUNTS FOR NON-TRADING CONCERN Receipts and Payments Income and expenditure- Balance sheet of non-trading organization	5	15	Chalk & Talk
		5		
		5		
III	SINGLE ENTRY SYSTEM Meaning and features of Single entry and double entry System-Methods of calculation of profit-statement of Affairs Method-conversion method.	3	15	Chalk & Talk
		3		
		3		
		3		
		3		
IV	AVERAGE DUE DATE AND ACCOUNT CURRENT Average Due Date-Meaning, need, calculation of average due date- consideration of holidays intervening in the period- Account Current-Meaning and purpose, Forward method, Product method, Periodical balance method Insurance claims -Average clause (Loss of stock only).	2	15	Group discussion Chalk & Talk
		3		
		3		
		3		
		4		
V	DEPRECIATION Meaning - Causes of depreciation -- Methods of providing Depreciation -- Straight line Method-Diminishing Balance Method	5	15	Chalk & Talk
		5		
		5		
TOTAL		75		75
THEORY 20% & PROBLEM 80%				

Date of CIAs: As per college calendar/need based amendments.



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Course Teacher

SRI SARADA COLLEGE FOR WOMEN (Autonomous)

TIRUNELVELI - 627011

COURSE TEACHING/LECTURE/EXAM PLAN

Department	Name of the faculty/s for the course	Academic year	Class
Commerce (Corporate Secretaryship)	Dr P.SUGANYA	2023-2024	I.B.Com (CS)
Semester	Course code	Course title	
I	23UCCC12	CORPORATE CORRESPONDENCE	

Title of the book (Text/Reference)	Author/s	Edition & Publisher
Business Communication	N.S. Raghunthan, B. Santhanam	Margham Publications, Chennai,
Business Communication	K.P. Singha	Taxmann, New Delhi.

Unit	Contents	No. of Hours	Proposed days/date	Remarks- Faculty/ Teaching aids
I	INTRODUCTION TO COMMUNICATION	2	10	Chalk & Talk
	Concept of Communication – Meaning, Definition, Process, Need, Feedback, Principles of effective Communication	2		
	Barriers to Communication: Physical, Semantic/ Language, Socio-Cultural and Psychological Barriers	2		
	Ways to overcome these Barriers.	2		
II	TYPES OF COMMUNICATION & CORPORATE CORRESPONDENCE (10 Hours)	2	10	PPT
	Types of Communication: Verbal, Non-verbal. Channels of Communication: Formal And Informal	2		
	Vertical, Horizontal, Diagonal, Grapevine. Trade Letters (Inquiry, Order, Credit and Status Enquiry, Complaints, Claims, Sales Letters, promotional leaflets and fliers)	2		
		2		
		2		
III	COMMUNICATION IN CORPORATE ENVIRONMENT	2	10	Group Discussion and PPT
	Report Writing – Agenda, Minutes of Meeting Office Order – Circular Notes- Correspondence with shareholders	2		
	Correspondence with directors.	2		
		2		
		2		
IV	DRAFTING OF DOCUMENTS	3	15	Chalk & Talk
	Partnership deed	3		
	Power of Attorney Lease deed Affidavit Indemnity bond-Gift deed Memorandum and articles of association of a company	3		
	Annual Report of a company	3		
		3		
V	DRAFTING REPLIES & RESPONSES	3	15	Chalk & Talk
	Drafting replies to regulatory show cause notices	3		
	review of business documents and press releases	3		
	Responding to proxy advisory reports	3		
	Response to media replies	3		
Crisis communication.	3			
	TOTAL		60	

Date of CIAs: As per college calendar/need based amendments.

Ramale
Principal

A. Sankar
HoD

P. Suganya
Course Teacher

SRI SARADA COLLEGE FOR WOMEN (Autonomous)
TIRUNELVELI 627011
COURSE TEACHING/LECTURE/EXAM PLAN

Department	Name of the faculty/s for the course	Academic year	Class
Commerce (Corporate Secretaryship)	Dr.R PUSHPA LATHA	2023-2024	I B.Com (CS)
Semester	Course code	Course title	
I	23UNCC11	LOGISTICS MANAGEMENT	
Title of the book (Text/Reference)	Author/s	Edition & Publisher	
Supply Chain Management A Logistics Perspective	John J.Coyle , C. John Langley JR., Robert A. Novack , Brian J.Gibson	CENGAGE , New Delhi	
'Textbook of Logistics and Supply Chain Management',	Agarwal, D.K.,	Mac Millan India Ltd, 2003.	

Unit No	Topics	No. of hours	Proposed days/date	Remarks-Faculty/ Teaching aids
I	Concepts Of Logistics – Evolution – Nature and Importance Logistics — Logistics System	2	8	Chalk & Talk
	Fundamentals Transport System: Railway, Road, Air, Waterways, Pipe Lines, Animals And Animal Driven Vehicles – Economics Of Transportation –	2		
	Stocking Policies – Storage And Handling Capacities – Warehousing	2		
		2		
II	Components of Logistics Management- Competitive advantages of Logistics Functions of Logistics management – Principles – Logistics Network- Integrated Logistics system.	2	5	Seminar
		3		
III	Components of Logistics Management- Competitive advantages of Logistics Functions of Logistics management – Principles – Logistics Network- Integrated Logistics system.	3	7	Chalk & Talk
		2		
		2		
IV	Components of Logistics Management- Competitive advantages of Logistics Functions of Logistics management – Principles – Logistics Network- Integrated Logistics system.	2	5	Chalk & Talk
		2		
		1		
V	Components of Logistics Management- Competitive advantages of Logistics Functions of Logistics management – Principles – Logistics Network- Integrated Logistics system.	2	5	PPT
		2		
		1		

Date of CIAs: As per college calendar/need based amendments.


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Course Teacher

SRI SARADA COLLEGE FOR WOMEN (Autonomous)

TIRUNELVELI 627011

COURSE TEACHING/LECTURE/EXAM PLAN

Department	Name of the faculty/s for the course	Academic year	Class
Commerce (Corporate Secretaryship)	Dr.S.ARUMUGA SELVI	2023-2024	I B.Com (CS)
Semester	Course code	Course title	
I	23UCMFC1	FUNDAMENTAL CONCEPTS OF ACCOUNTING	
Title of the book (Text/Reference)	Author/s	Edition & Publisher	
Financial Accounting,	T.S.Reddy Dr.A.Murthy	Margham Publications, Chennai	
Elements of Mercantile Law –	N.D.Kapoor	Sultan Chand and Sons, New Delhi	
Human Resource Management	Ashwathappa	Sultan Chand and Sons, New Delhi	
Advanced accounting	M.C. Shukla , T.S Grewal , S.C. Gupta	Sultan Chand and Sons, New Delhi	

Unit No	Topics	No. of hours	Proposed days/date	Remarks- Faculty/ Teaching aids
I	Definition • Systems of Accounting • Functions of Accounting • Basis of Accounting • Classification of Accounts • Golden Rules of Accounting • Examples • Books of Accounts – Manual Vs Software	2	5	Seminar
		2		
		1		
II	Financial Statements -- Meaning and contents • Reporting – Different types of accounting-introductions to corporate accounting-Cost Accounting-Management Accounting	2	5	Chalk & Talk
		3		
III	Overview of business laws Company Law Commercial Law Industrial law	3	10	Chalk & Talk
		2		
		3		
		2		
IV	Communication- meaning-definition- types-process- Barriers to communication	2	5	Chalk & Talk
		2		
		1		
V	Management-definition-types- functions of business management- Skills for an Entrepreneur– qualities of an entrepreneur	2	5	PPT
		2		
		1		

Date of CIAs: As per college calendar/need based amendments.


Principal


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Course Teacher

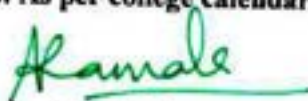
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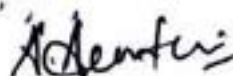
Department	Name of the faculty/s for the course	Academic year	Class
Commerce (Corporate Secretaryship)	Dr.A.ARUNA DEVI	2023-2024	II B.Com CS
Semester	Course code	Course title	
III	22UCCC31	Business Accounting	

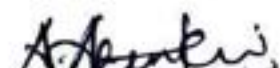
Title of the book (Text/Reference)	Author/s	Edition & Publisher
Fundamentals of Advanced Accounting	R.S.N.Pillai, Bagavathi&S.Uma	S.Chand& Company Ltd., New Delhi
Advanced Accounting	T.S.Reddy&A.Murthy	Margham Publications, Chennai

Unit No	Topics	No. of hours	Proposed days/date	Remarks- Faculty/ Teaching aids
I	Branch and Departmental Accounting Objectives and types of Branch accounting Methods Techniques of Departmental Trading, Profit and Loss Accounts Inter Departmental Transfers	4 4 4 3 3	16	Group Discussion
II	Royalty Account Treatment in final accounts- Specimen journal entries – Minimum rent –Short workings Accounting treatment in the books of Lessee and Lessor	3 3 4 4 4	18	Chalk & Talk
III	Contract account Features Types of contract account,work certified, work uncertified work-in-progress.	4 4 4 6	16	Seminar
IV	Hire Purchase and Installment System Difference between hire purchase and installment system,Calculation of Cash price and interest	9 9	25	PPT
V	Insolvency Accounts Procedure under insolvency act, Difference between insolvency of an individual and partnership Difference between balance sheet and Statement of affairs-Statement of Affairs Deficiency Account.	3 4 4 7	15	Chalk & Talk

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Department	Name of the faculty/s for the course	Academic year	Class
Commerce (Corporate Secretaryship)	Dr.P.SUGANYA	2023 - 2024	II B.Com CS
Semester	Course code	Course title	
III	22UNCC3B	Consumer Awareness	

Title of the book (Text/Reference)	Author/s	Edition & Publisher
Organisational Behaviour	Prasad.L.M	Sultand Chand publications
Consumer Protection and Satisfaction (Legal and Managerial Dimension)	Gulshan.S.S	Caney Easting Limited, England

Unit No	Topics	No. of hours	Proposed days/date	Remarks- Faculty/ Teaching aids
I	Consumer Consumerism, Types of consumers evolution and growth of consumer movement in India and Tamil Nadu	2 2 2	6	Group Discussion
II	Exploitation of consumer Pricing, adulteration, information and labelling, duplication, artificial demand, Spurious goods, late deliveries, service, warranty and services, fitness, credit card frauds and product risks and remedies	2 2 2	6	Chalk & Talk
III	Consumer Rights Six rights of the consumers under Consumer Protection Act Right to Safety Redressal and consumer education, Consumer Responsibility.	2 2 2	6	PPT
IV	Consumer protection Need for consumer protection, Legal measures- Consumer Protection Act1986, Special features of the Act Three tier Redressal Agencies	2 2 2	6	Seminar
V	Procedures for complaints and Redressal Mechanism Procedure for filling a complaint. Model form of Appeal with reference to goods and services	3 3	6	Group Discussion

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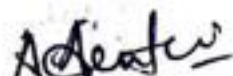
Department	Name of the faculty/s for the course	Academic year	Class
Commerce (Corporate Secretaryship)	Dr.R.PUSHPALATHA	2023 - 2024	II B.Com CS
Semester IV	Course code 22UCCC42	Course title Business Statistics	

Title of the book (Text/Reference)	Author/s	Edition & Publisher
Statistics-Theory and Practice	R.S.N. Pillai&Bhagavathi	S.Chand&Co, New Delhi
Business Statistics	Dr. S.P. Gupta, M.B.Gupta	Sultan Chand & Sons, New Delhi

Unit No	Topics	No. of hours	Proposed days/date	Remarks- Faculty/ Teaching aids
I	Introduction		17	Seminar
	Importance, Application and Limitations of Statistics	2		
	Statistical survey	3		
	Collection of Data	6		
	Methods of sampling. Classification and tabulation of data	4		
II	Measures of Central Tendency		13	PPT
	Mean, Median and Mode	7		
III	Measures of Dispersion and Skewness		13	Group Discussion
	Methods of Dispersion	2		
	Mean Deviation , Standard Deviation and Co-efficient of Variation	3		
	Methods of Skewness	3		
	Karl Pearson's Co-efficient of Skewness and Bowley's Co-efficient of Skewness.	4		
IV	Correlation and Regression:		14	Chalk & Talk
	concept of correlation and regression.	2		
	Regression Equations	7		
V	Index Numbers and Analysis of Time Series		14	Group Discussion
	Deviations taken from actual mean and assumed mean method	6		
	Methods of Constructing Index Numbers	3		
	Components of Time Series	6		
	Measurement of Trend -Graphic method	6		

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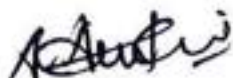
Department	Name of the faculty/s for the course	Academic year	Class
Commerce(Corporate Secretaryship)	Dr.A.ARUNA DEVI & Dr.S.ARUMUGA SELVI	2023 -2024	II B.Com CS
Semester	Course code	Course title	
IV	22UCCC41	Partnership Accounting	

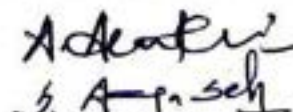
Title of the book (Text/Reference)	Author/s	Edition & Publisher
Financial Accountancy	T.S.Reddy&A.Murthy	MarghamPublications,Chennai
Advanced Accountancy	S.P.Jain&K.L.Narang	Kalyani Publishers, New Delhi

Unit No	Topics	No. of hours	Proposed days/date	Remarks- Faculty/ Teaching aids
I	Partnership Accounts fundamentals of partnership deed partnership adjustment accounts Interest on Loans , Salary and Commission of partners Fixed and Fluctuating Capital Method through Past Adjustments and Guarantee.	3 3 4 4 4	16	PPT
II	Admission of a Partner Adjustment in Profit Sharing Ratio Methods of valuation of goodwill Treatment of Goodwill in Admission and Revaluation Account Adjustment regarding Goodwill and Capital	4 4 4 6	18	Seminar
III	Retirement or Death of a Partner Profit Sharing Ratio and Gaining ratio Treatment of Goodwill in Retirement Adjustment of Capital Retirement and Death of Partner Retiring Partner's loan and Joint life policy.	3 3 4 4 4	16	Group Discussion
IV	Dissolution of partnership Treatment of Goodwill in dissolution Piecemeal Distribution Proportionate capital method Insolvency of a partner	4 4 4 6	25	Seminar
V	Amalgamation of firms: Problems or issues in amalgamation Accounting treatment in the books of amalgamating firms Revaluation of assets and liabilities Transfer of Profits and loss and Disposal of assets and liabilities.	6 4 4 4	15	Chalk & Talk

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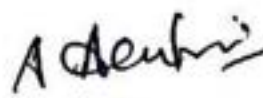
Department	Name of the faculty/s for the course	Academic year	Class
Commerce (Corporate Secretaryship)	DR.S.ARUMUGA SELVI	2023-2024	III.B.Com (CS)
Semester	Course code	Course title	
V	19UCCC51	Corporate Accounting	

Title of the book (Text/Reference)	Author/s	Edition & Publisher
Corporate Accounting	T.S.Reddy&A.Murthy	Margham Publishers, Chennai
Corporate Accounting	S.P.Jain&K.L.Narang	Kalyani Publishers, New Delhi

Unit No	Topics	No. of hours	Proposed days/date	Remarks-Faculty/ Teaching aids
I	Issue of shares: Salient features of Joint Stock Company Distinction between Firm and Company Kinds of Companies and Issues of Shares Redemption of Preference Share	5 4 4 5	17	Chalk & Talk
II	Valuation of Goodwill and Shares: Need for valuing Goodwill Factors affecting value of Goodwill Methods Average Profit Method Methods of Valuation of Shares	3 6 6 3	20	Seminar
III	Final Accounts of Companies (as per Schedule II of Companies Act 2013): Managerial Remuneration Administrative ceiling regarding Managerial Remuneration Computation of Net Profit for Managerial Remuneration.	5 5 4 4	19	Group Discussion
IV	Amalgamation, Absorption and External Reconstruction: Types of Amalgamation Accounting problems relating to Amalgamation and External Reconstruction Computation of Purchase Consideration	3 7 5 3	20	Chalk & Talk
V	Profit Prior to Incorporation: Treatment of Profit or Loss prior to Incorporation Methods of ascertaining Profit or Loss prior to Incorporation Basis of apportionment of expenses Steps involved in ascertaining pre and post incorporation profit	4 6 5 3	14	Chalk & Talk

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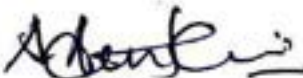
Department	Name of the faculty/s for the course	Academic year	Class
Commerce (Corporate Secretaryship)	Dr. R. PUSHPALATHA	2023-2024	III.B.Com (CS)
Semester	Course code	Course title	
V	19UCCC52	Cost Accounting	

Title of the book (Text/Reference)	Author/s	Edition & Publisher
Cost Accounting	R.S.N.Pillai&V.Bagavathi	S.Chand& Company LTD, Ramnagar, NewDelhi.
Cost Accounting	S.P.Jain&Narang	Kalyani Publishers, New Delhi

Unit No	Topics	No. of hours	Proposed days/date	Remarks-Faculty/ Teaching aids
I	Introduction: Classification of Cost Elements of Cost , Types of Costing Objectives and Functions of Cost Accounting Preparation of Cost Sheet (Simple problems).	5 4 4 4	17	PPT
II	Process Costing: Differences between Job and Process Costing Losses and Gains in process Accounting treatment of Normal and Abnormal Losses Abnormal Gain (Simple problems).	3 6 6 3	20	Seminar
III	Marginal Costing: Marginal costing Vs Absorption costing Marginal Cost Equations Break Even Analysis Assumptions of BEP- Break Even Chart P/V analysis Margin of Safety - Key Factors.	2 3 5 4 4	19	Chalk & Talk
IV	Budgetary Control: Budgetary Control Advantages and Limitations Steps for Implementation -Classification of Budgets Production and Sales Budgets	3 7 5 3	20	Group Discussion
V	Standard Costing: Preliminaries to the establishment of the Standard Cost Standard Costing Vs Budgetary Control Standard Cost Vs Estimated Cost Sales and Profit Variances (Simple problems).	4 6 5 3	14	Chalk & Talk

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Department	Name of the faculty/s for the course	Academic year	Class
Commerce (Corporate Secretaryship)	Mr.S.Sangara Lingam	2022-2023	III.B.Com (CS)
Semester	Course code	Course title	
V	19UCCC53	BUSINESS LAW	

Title of the book (Text/Reference)	Author/s	Edition & Publisher
Business Law	N.D .Kapoor	Sultan Chand & Sons, New Delhi.
Business Law	Nirmal Singh	Deep& Deep Publication, New Delhi.

Unit No	Topics	No. of hours	Proposed days/date	Remarks- Faculty/ Teaching aids
I	Indian Contract Act, 1872: Essentials of a valid Contract Classification and Consideration Capacity of the parties-Free consent Legality of Object and Consideration Contingent contracts.	3 3 3 3 3	16	Chalk & Talk
II	Performance of contract: Time and Place for Performance Reciprocal Promises Rules for Reciprocal Promises Discharge of Contract Discharge by impossibility	4 3 4 4	16	Seminar
III	Special Contracts: Differences between Contract of Indemnity and Contract of Guarantee Rights of Surety against Creditor, Principal Debtors and Co-surety Discharge of Surety from liability.	3 6 6	16	Chalk & Talk
IV	Bailment: Duties of Pawnor and Pawnee Bailment Vs pledge and Contract of Agency Duties and Rights of an agent Duties of Principal Sub-agent and Substituted Agent Termination of Agency.	2 3 3 7	16	Seminar
V	Sale of Goods Act: Differences between Sale and Agreement to Sell Differences between Conditions and Warranty Condition treated as a Warranty Sale and Hire Purchase Agreement Documents of title to goods Rights and duties of buyers and sellers – Rights of unpaid seller.	2 3 3 4 3	11	Group Discussion

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M. S. SANGARA LINGAM
Course Teacher

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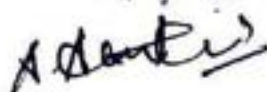
Department	Name of the faculty/s for the course	Academic year	Class
Commerce (Corporate Secretaryship)	DR. A. ARUNADEVI & DR. P.SUGANYA	2023-2024	III.B.Com (CS)
Semester	Course code	Course title	
V	19UCCC54	INCOME TAX LAW & PRACTICE I	

Title of the book (Text/Reference)	Author/s	Edition & Publisher
Income Tax Theory, Law and Practice	T.S.Reddy and Y.Hari Prasad Reddy	Margham Publications, Chennai
Income tax Law and Accounts	Dr. H.C. Mehrotra and Dr. S.P. Goyal	SahityaBhawan Publications, Agra.

Unit No	Topics	No. of hours	Proposed days/date	Remarks-Faculty/ Teaching aids
I	Basic Concept: Capital and Revenue (Expenses and Receipts) Taxable entities Person, Assessee, previous and assessment year, total income, gross total income Concept of income and Agricultural Income Income exempted from tax.	3 3 3 3 3	16	Seminar
II	Residential Status: Classification of Residential status of taxable entities Computation of Residential status of an individual Basic and addition condition Deemed to be accrued and problems.	4 7 4	16	PPT
III	Income from Salary: Features of salary Due date of salary-Receipts included under salary Different forms of salary Provident fund-Advance and arrears of salary Problems in computation of salary income.	3 6 3 3	16	Chalk & Talk
IV	Income from House property: Standard deduction Unrealized rent problems in computation of house property income Let out house - Self occupied house-Gross Annual value.	2 3 3 7	15	PPT
V	Income under the Head Business or profession: Income chargeable to Tax under the Head Allowable expenses Expressly disallowed expenses Computation of business and professional income.	5 3 4 3	11	Chalk & Talk

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Department	Name of the faculty/s for the course	Academic year	Class
Business Administration	Selvi.A.Suruthi Velvizhi	2023-2024	I BBA
Semester	Course code	Course title	
I	23UBBC11	Principles of Management	

Title of the book (Text/Reference)	Author/s	Edition & Publisher
Principles of Management	Natrajan, K.Ganeshan K.P	2012(7) Himalaya Publishing House, New Delhi -110002
Principles of Management	P.C. Tripathi& P.N Reddy	Sultan Chand& Sons,6th Edition, 2017

Unit No	Topics	No. of hours	Proposed days/date	Remarks- Faculty/ Teaching aids
I	Management: Importance – Definition – Nature	3	15days	Black Board
	Scope of Management - Process – Role and	3		
	Functions of a Manager – Levels of	3		
	Management – Development of Scientific	3		
	Management and other Schools of thought and approaches.	3		
II	Planning: Nature – Importance – Forms –	4	15days	Black Board
	Types – Steps in Planning – Objectives – Policies – Procedures and Methods – Natures	4		
	Types of Policies – Decision-making –	3		
	Process of Decision- making – Types of Decision.	4		
III	Organizing: Types of Organizations –	3	15days	Lecture
	Organization Structure – Span of Control and	3		
	Committees – Departmentalization – Informal	3		
	Organization- Authority – Delegation –	3		
	Decentralization – Difference between Authority and Power – Responsibility.	3		
IV	Direction – Nature and Purpose. Co- ordination	5	15days	Lecture
	– Need, Type and Techniques and requisites for excellent Co-ordination – Controlling –	5		
	Meaning and Importance – Control Process.	5		
V	Definition of Business ethics - Types of Ethical	4	15days	Black Board
	issues -Role and importance of Business Ethics	4		
	and Values in Business - Ethics interhal -	4		
	Ethics External - Environment Protection - Responsibilities of Business	3		

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26.10.2023

Date:

Ramala
Principal

A Shunmuga Thangam
HoD

A. S. S.
Course Teacher

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Department	Name of the faculty/s for the course	Academic year	Class
Business Administration	Dr.P.Shunmuga Thangam	2023-2024	I BBA
Semester	Course code	Course title	
I	23UBBC12	Accounting for Managers - I	

Title of the book (Text/Reference)	Author/s	Edition & Publisher
Financial Accounting	Goel.D.K and Shelly Goel, 2018	Arya Publications, 2nd edition.
Financial Accounting	Jain .S.P & Narang .K, 1999	Kalyani Publishers, Ludhiana, 4th edition

Unit No	Topics	No. of hours	Proposed days/date	Remarks- Faculty/ Teaching aids
I	Meaning and scope of Accounting, Basic Accounting Concepts and Conventions	5	15days	Black board
	Objectives of Accounting – Accounting Transactions – Double Entry Book Keeping	5		
	Journal, Ledger, Preparation of Trial Balance	5		
II	Subsidiary book – Preparation of cash Book	5	15days	Black board
	Bank reconciliation statement	5		
	Rectification of errors – Suspense account	5		
III	Preparation of Final Accounts – Adjustments – Closing stock, outstanding, prepaid	4	15days	Black board
	accrued, depreciation, bad and doubtful debts, provision and discount on debtors and creditors	4		
	Interest on drawings and capital	4		
	Abnormal loss, managerial remuneration.	3		
IV	Partnership Accounts- Basic concepts of Admission	4	15days	Black board
	Retirement and death of a partner including treatment of goodwill - Depreciation –	4		
	Meaning, Causes, Types – Straight Line Method	4		
	Written Down Value Method.	3		
V	Single Entry – Meaning, Features, Defects,	5	15days	Black board
	Differences between Single Entry and Double	5		
	Entry System – Statement of Affairs Method – Conversion Method	5		

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Date:


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P.Shunmuga Thangam
HoD

P.Shunmuga Thangam
Course Teacher

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Department	Name of the faculty/s for the course	Academic year	Class
Business Administration	Smt.L.R.Padma Priya	2023-2024	I BBA
Semester	Course code	Course title	
I	23UBBA12	Managerial Economics	

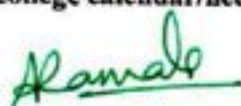
Title of the book (Text/Reference)	Author/s	Edition & Publisher
Managerial Economics	Dr. S. Sankaran	Margham Publication, Chennai, 2019
Managerial Economics: Foundations of Business Analysis and Strategy	Thomas and Maurice;	McGraw Hill Education, 10 editions, 2017

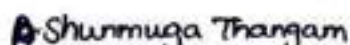
Unit No	Topics	No. of hours	Proposed days/date	Remarks-Faculty/ Teaching aids
I	Nature and scope of managerial economics	3	12days	Black Board
	definition of economics – important concepts of economics – relationship between micro, macro	3		
	Recent trends in managerial economics	3		
	nature and scope – objectives of firms.	3		
II	Demand analysis – Theory of consumer behavior – Marginal utility analysis –	3	12days	Black Board
	indifference curve analysis Meaning of demand	3		
	Law of demand – Types of demand-	3		
	Determinants of demand – Elasticity of demand –Demand forecasting.	3		
III	Production and cost analysis – Production	2	12days	Lecture
	Factors of production – production function	3		
	Concept – Law of variable proportion – Law of return to scale and economics of scale – cost	2		
	analysis – Different cost concepts – Cost output relationship short run and long run – Revenue	2		
	curves of firms – Supply analysis.	1		
IV	Pricing methods and strategies – Objectives	3	12days	Lecture
	Factors – General consideration of pricing	3		
	methods of pricing – Dual pricing	3		
	Price discrimination	3		
V	Market classification – Perfect competition –		12days	Black Board
	Monopoly – Monopolistic competition – Duopoly – Oligopoly			

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26.10.2023

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Shunmuga Thangam
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L.R.Padma Priya,
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Department	Name of the faculty/s for the course	Academic year	Class
Business Administration	Smt.D.Ananthi@Sajitha	2023-2024	I BBA
Semester	Course code	Course title	
I	23	Managerial Communication	

Title of the book (Text/Reference)	Author/s	Edition & Publisher
Essentials of Business Communication	Rajendra Paul & J S Kovalahalli	Sultan Chand & Sons, New Delhi, 2017
Business Correspondance and Report Writin	R C Sharma & Krishan Mohan	Mc Graw Hill, India Pvt Ltd., New Delhi, 2006

Unit No	Topics	No. of hours	Proposed days/date	Remarks-Faculty/ Teaching aids
I	Definition – Methods – Types – Principles	3	6days	Black Board
	of effectiveCommunication – Barriers Communication etiquette.	3		
II	Business Letter – Layout- Kinds of	1	6days	Black Board
	Business Letters:application, offer	1		
	acceptance/ acknowledgement	1		
	promotion letters. Business Development Letters – Enquiry, replies, Order, Sales, circulars, Grievances.	3		
III	Interviews- Direct, telephonic & Virtual	3	6days	Lecture
	interviews- Group discussion – Presentation skills – body language	3		
IV	Communication through Reports – Agenda	3	6days	Lecture
	Minutes of Meeting - Resume Writing	3		
V	Modern Forms of Communication: podcasts,	3	6days	Black Board
	Email, virtual meetings – Websites and their	2		
	use in Business –social media- Professional Networking sites	1		

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26.10.2023

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P.Shanmuga Thargam

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Department	Name of the faculty/s for the course	Academic year	Class
Business Administration	Smt.D.Ananthi@Sajitha	2023-2024	I BBA
Semester	Course code	Course title	
I	23	Basics of Event Management	

Title of the book (Text/Reference)	Author/s	Edition & Publisher
Event Management	Swarup K. Goyal -	Adhyayan Publisher - 2009
Event Management & Public Relations	Savita Mohan	Enkay Publishing House

Unit No	Topics	No. of hours	Proposed days/date	Remarks-Faculty/ Teaching aids
I	Introduction: Event Management – Definition	3	6days	Black Board
	Need, Importance, Activities.	3		
II	Concept and Design of Events: Event Co-ordination, Developing &, Evaluating event	3	6days	Black Board
	concept – Event Design	3		
III	Event Feasibility: Resources – Feasibility	3	6days	Lecture
	SWOT Analysis	3		
IV	Event Planning & Promotion – Marketing	3	6days	Lecture
	Promotion – 5Ps of Event Marketing – Product, Price, Place, Promotion, Public Relations	3		
V	Event Budget – Financial Analysis – Event Cost	3	6days	Black Board
	Event Sponsorship	3		

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26.10.2023

Date:

A. Ananthi

Principal

A. Sharmuga Thangam

HoD

A. Ananthi

Course Teacher

SRI SARADA COLLEGE FOR WOMEN (Autonomous)

TIRUNELVELI 627011

COURSE TEACHING/LECTURE/EXAM PLAN

Department	Name of the faculty/s for the course	Academic year	Class
Business Administration	Smt.D.Ananthi@Sajitha	2023-2024	II BBA
Semester	Course code	Course title	
III	22UBBC31	Behavioural Management	

Title of the book (Text/Reference)	Author/s	Edition & Publisher
Principles of Management	Natrajan, K.Ganeshan K.P	2012(7) Himalaya Publishing House, New Delhi -110002
Organizational Behaviour	Fred Luthans	McGraw Hill International edition, Mumbai

Unit No	Topics	No. of hours	Proposed days/date	Remarks-Faculty/Teaching aids
I	Introduction to Management: Nature and Scope, Principles Functions and Levels	3	12days	Black Board
	Features of Management – Administration Vs. Management –Role of Managers - Pioneers of Modern	3		
	Management - F.W.Taylor – Hendry Fayol – Elton Mayo - Nature & Importance: Process of OB – Concept OB	2		
	Organizational Behaviour and Management – Levels of	2		
	OB analysis –Classical management – neoclassical management– System approach to management	2		
II	Planning: Planning – Nature and Importance of Planning	4	12days	Black Board
	Characteristics – Planning Process – Types of Plans – Management by Objectives (MBO) – Features of MBO	4		
	– Decision Making – Nature - Types of Decision Making - importance-Process-Techniques and Tools.	4		
III	Organizing: Organising- Meaning –Principles of Organising-	4	12days	Lecture
	Organising process –Importance - Departmentation -	4		
	Types –Advantages and disadvantages - Factors Determining Departmentation.	4		
IV	Personality and Perception: Learning- Process - Concept and theories of learning - Attitudes –Concept	4	12days	Black Board
	process - importance – Personality - Concept, nature,	4		
	types and theories of personality -Perception– Concept – Nature – process of perception – Implications.	4		
V	Leadership : Needs and importance of Leadership – Qualities of Leadership- leadership styles - Theories	4	12days	Black Board
	(Trait Theory, Behavioural Theory, Managerial Grid) –	4		
	Change Management – Nature – Causes – Process – Counseling.	4		


Date of CIAs: As per college calendar/need based amendments.

26.10.2023

Date:


Principal

P. Shunmuga Thangam
HoD


Course Teacher

SRI SARADA COLLEGE FOR WOMEN (Autonomous)

TIRUNELVELI 627011

COURSE TEACHING/LECTURE/EXAM PLAN

Department	Name of the faculty/s for the course	Academic year	Class
Business Administration	Smt.A.Jeya	2023-2024	II BBA
Semester	Course code	Course title	
III	22UBBC32	Essentials of Business Law	

Title of the book (Text/Reference)	Author/s	Edition & Publisher
Business Law	Kucchal, M.C.,	2002(7) Sultan Chand & Sons, New Delhi New Delhi
Business Law	Kapoor, N. D	20019(13) Sultan Chand & Sons, New Delhi ISBN-13: 978-9389174106

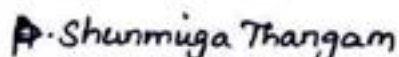
Unit No	Topics	No. of hours	Proposed days/date	Remarks- Faculty/ Teaching aids
I	Contracts – Offer – Acceptance - Consideration-Capacity to	4	12	Black Board
	Contract - Sale of Goods	4		
	Agency and Partnership	4		
II	Mistake Coercion	6	12	Black Board
	Fraud. – Misrepresentation Undue Influence	6		
III	Legalization of Consideration- Performance of Contract-	4	12	Lecture
	Discharge of Contract - Quasi Contract – Remedies for	4		
	Breach of Contract.	4		
IV	Law of Indemnity – Guarantee – Bailment- Negotiable	6	12	Lecture
	Instruments- Characteristics- Negotiation and Endorsers' Liability.	6		
V	Commercial paper- Requirement	6	12	Black Board
	Parties - Types	6		

Date of CIAs: As per college calendar/need based amendments.

26.10.2023

Date:


Principal


A. Shunmuga Thangam
HoD


A. Jeya
Course Teacher

SRI SARADA COLLEGE FOR WOMEN (Autonomous)

TIRUNELVELI 627011

COURSE TEACHING/LECTURE/EXAM PLAN

Department	Name of the faculty/s for the course	Academic year	Class
Business Administration	Smt.D.Ananthi@Sajitha	2023-2024	II BBA
Semester	Course code	Course title	
III	22UBBS33	Banking and Financial Accounting	

Title of the book (Text/Reference)	Author/s	Edition & Publisher
Financial Accounting	R.K.Arora	2018(2 nd edition) Wiley ,New delhi ISBN-10: 8126575700
A Text Books of Accounting for Management	S N Maheshwari, S K Maheshwari	2018(4 th edition) Vikas Publishing, New Delhi
Banking Theory, Law and Practice	Gordon &Natarajan	2213 (1) Himalaya Publishing House, Mumbai.

Unit No	Topics	No. of hours	Proposed days/date	Remarks- Faculty/ Teaching aids
I	Indian Banking System- Types of Banks- Role and functions of Banks – Branches of Banking - Definition of Account – Nature and Objectives of Accounting – Branches of Accounting - uses & limitations of Accounting - Accounting Information - Accounting equations – Double Entry System Vs. Single Entry System –Books of Accounts.	2	6days	Black Board
		2		
		2		
II	Meaning – Definition –General and Special relationship between Banker and Customer - Types of Deposits –Pass Book –Negotiable Instrument Act – Cheque – meaning –crossing of cheques –Payment and collection of Cheque	3	6days	Black Board
		3		
III	Traditional Vs E-Banking – Types of E-Banking – Advantages – Constraints - CoreBanking, E-Banking - New Products & Services - Factoring, Securitization,	2	6days	Lecture
	Mutual Funds, Credit Cards, Home Loans, Personal Loans, Consumer Loans - Ancillary Services - Remittances, Safe Deposit lockers etc	2		
		2		
IV	Basic Accounting Procedure – Journal, rules of debit & credit, method of journalizing, advantage, double entry system – its advantage, ledger, meaning, utility, posting entries - Practical system of book keeping – Cashbook, types of cash book, Single column, double column, entries, Trial Balance - Final Accounts.	2	6days	Lecture
		2		
		2		
V	Capital and Revenue – Accounts of Non-trading organizations - Income and Expenditure Account – Receipts and Payments Account - Balance Sheet - Deferred Revenue Expenditure - Final Accounts -	2	6days	Black Board
	Manufacturing account- Trading account; Profit and loss account - Balance Sheet.	2		
		2		

Date of CIAs: As per college calendar/need based amendments.

26.10.2023

Date:

Ramala

Principal

D.Shunmuga Thangam
HoD

[Signature]

Course Teacher

SRI SARADA COLLEGE FOR WOMEN (Autonomous)
TIRUNELVELI 627011
COURSE TEACHING/LECTURE/EXAM PLAN

Department	Name of the faculty/s for the course	Academic year	Class
Business Administration	Dr.P.Shunmuga Thangam	2023-2024	II BBA
Semester	Course code	Course title	
III	22UBBA31	Marketing Management	

Title of the book (Text/Reference)	Author/s	Edition & Publisher
Marketing Management	Dr.Radha	2013 (2) Prasanna Publishers, Chennai
Marketing Management	V.S. Ramaswamy	2010 (1) MAC Millan India Ltd, Delhi

Unit No	Topics	No. of hours	Proposed days/date	Remarks- Faculty/ Teaching aids
I	Introduction to Marketing : Functions –types of marketing-Marketing management – Objectives –	4	12days	Black Board
	Importance – Process – Functions - Marketing Information	4		
	System – Management Information System-Types - Process – Functions – Decision Support system-	4		
II	Market Segmentation: Benefits – Bases for market segmentation - Niche Marketing – Market Targeting	4	12days	Black Board
	Marketing Mix.- product targeting-Product positioningS	4		
	product decision-product planning- product policy	4		
III	Product : Product Classification –New Product	3	12days	Lecture
	Development- Product Modification- Product mix and	3		
	Strategies - Product diversification and Product Elimination –Product Life Cycle- Branding – functions-types-Brand	3		
	Equity – Brand Loyalty –	2		
	Packaging – levels of packaging-function of packaging- Objectives – Types of Packaging	1		
IV	Pricing and Marketing channels: Meaning – Influencing factors – Objectives – Pricing methods – Process of Price	4	12days	Lecture
	sDetermination — Sales Promotion – Objectives – Types- Need and importance – functions- Classification – Types of	4		
	Intermediaries – Physical distribution – Elements of physical distribution (logistics)	4		
V	Promotion and Emerging trends in marketing:	4	12days	Black Board
	. Advertising – Objectives - types – functions – elements – measures of effective advertising– International National Marketing- Entry mode Decisions- Emerging trehds in	4		
	Marketing- Concepts of E- Marketing, Directing Marketing, Digital Marketing and Green Marketing	4		

Date of CIAs: As per college calendar/need based amendments.

26.10.2023
Date


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P. Shunmuga Thangam
HoD

P. Shunmuga Thangam
Course Teacher

SRI SARADA COLLEGE FOR WOMEN (Autonomous)
TIRUNELVELI 627011
COURSE TEACHING/LECTURE/EXAM PLAN

Department	Name of the faculty/s for the course	Academic year	Class
Business Administration	SelviA.Suruthivelvizhi	2023-2024	II BBA
Semester	Course code	Course title	
III	22UNBB3A	Introduction to Consumer Behaviour	

Title of the book (Text/Reference)	Author/s	Edition & Publisher
Consumer Behaviour	Agarwal R.K &Varma	2014 (1), SBPD Publishers, New Delhi
Consumer Behaviour and Marketing	J Paul Peter, Jerry .Olson	2010(4), Irwin Professional Publishing; New Delhi

Unit No	Topics	No. of hours	Proposed days/date	Remarks- Faculty/ Teaching aids
I	Consumer Behaviour: Nature and Scope – Characteristics	2	6days	Black Board
	- Importance of Consumer Behaviour in marketing decisions – Application of Consumer Behaviour	2		
	Approaches to Consumer Behaviour – Research	1		
	perspective on Consumer Behaviour – Currents trends in Consumer Behaviour.	1		
II	Types of Consumer: Consumer Vs. Industrial Consumer and their Buying Behaviour – Concepts	2	6days	Black Board
	Importance – Needs and Process of Buying behaviour - Factors	2		
	Influencing Buying Behaviour – Consumer Personality – Theories.	2		
III	Determinants of Consumer Behaviour: Basic models of consumer behavior - Consumer and cultural influence -	3	6days	Lecture
	Social class influence and consumer behavior - group influences and consumer behaviour	3		
IV	Decision making: Consumer decision making Process - problem recognition - information search- evaluation of alternatives – evaluation of selection- Family influences - Pre- purchase and Post Purchase Behaviour.	3	6days	Lecture
		3		
V	Customer Satisfaction: Sources of consumer dissatisfaction - Methods of Problem Solving - Consumer	3	6days	Black Board
	Protection Act 2286 – Customer perception- Perceptual process – Perception Mapping Models- Consumer imaginary.	3		

Date of CIAs: As per college calendar/need based amendments.

26.10.2023
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P.Shunmuga Thangam
HoD


Course Teacher

SRI SARADA COLLEGE FOR WOMEN (Autonomous)
TIRUNELVELI 627011
COURSE TEACHING/LECTURE/EXAM PLAN

Department	Name of the faculty/s for the course	Academic year	Class
Business Administration	Smt.L.R.Padma Priya	2023-2024	III BBA
Semester	Course code	Course title	
V	19UBBC51	International Business Practice	

Title of the book (Text/Reference)	Author/s	Edition & Publisher
International Business	Francis Cherunilam	2016(1), Himalaya Publishing House, New Delhi
International Business Strategy	A Nag	2010(2), Vikas Publishing House Pvt.Ltd.

Unit No	Topics	No. of hours	Proposed days/date	Remarks- Faculty/ Teaching aids
I	History of International Business – Reasons for foreign entry – Patterns of International business – Types of FDI-	3	12days	Black Board
	Multinational corporation – market imperfection approach- Approaches on firm based and location specific advantages- Environment factors- Economic,	3		
	Financial, Political, Legal, Cultural ,Technological	4		
	International Business strategy- Internationalization-	2		
II	Management philosophies- Porter's model- Prahalad and Doz's model- International marketing strategy –	3	12days	Black Board
	Introduction to Product, Price, (INCOTERMS), Distribution, Promotion in international context	3		
	Technology and MNC- Technological interdependence- Strategy and innovation – Technology accumulation-	4		
	Home or overseas R&D Organizational issues- Technological performance – Introduction to international finance – Exchange rate, Changes, forecasting, risk-	2		
III	International cash management, taxation	3	12days	Lecture
	International operations strategy	3		
	Procurement- Subcontracting- Plant location decision- Plant design and interplant relationships- Staffing policies-	4		
	Globalization and HRM – International labor strategy – New directions in Organizational structures- Performance evaluation	4		
IV	International acquisition – Cultural, legal, political dimensions- Conventional perspective of acquisition process- alternative perspective- Acquisitions and business strategy- Successful integration- Problems in acquisition integration- Approaches to integration – Future of multinational – International Co-operation- Determinants of competition – International managers for millennium	3	12days	Black Board
		3		
		4		
		2		

Date of CIAs: As per college calendar/need based amendments.

26.10.2023
Date:

Ramale
Principal

P.Shunmuga Thangam
HoD

L.R.Padma Priya
Course Teacher

SRI SARADA COLLEGE FOR WOMEN (Autonomous)
TIRUNELVELI 627011
COURSE TEACHING/LECTURE/EXAM PLAN

Department	Name of the faculty/s for the course	Academic year	Class
Business Administration	Smt.L.R.Padma Priya	2023-2024	III BBA
Semester	Course code	Course title	
V	19UBBC52	Management Accounting	

Title of the book (Text/Reference)	Author/s	Edition & Publisher
Management Accounting	Khan M Y & Jain PK	2017(7), Tata McGraw Hill, New Delhi
Management Accounting and financial control.	S.N.Maheshwari	2015(15), S.Chand & Company Ltd., New Delhi

Unit No	Topics	No. of hours	Proposed days/date	Remarks- Faculty/ Teaching aids
I	Introduction: Definition – Objectives – Merits and Limitations – Financial Statement Analysis – meaning	4	12days	Black Board
	- process- Techniques - Comparative Statements – Common Size Statements – Ratio Analysis – Steps in Ratio analysis –Classification of Ratios	4		
		4		
II	Fund Flow Statement : Concepts of Funds – Importance – Preparation of Fund flowStatement – Limitations - Cash FlowAnalysis – Meaning and Importance -Advantages – Limitations- Uses and Construction – Fund Flow Statement Vs Cash Flow Analysis	4	12days	Black Board
		4		
		4		
III	Marginal Costing : Objectives and Limitations – Marginal Costing Vs Absorption Costing - Cost Volume Profit (CVP) Analysis – Break Even Analysis – Merits and Demerits – BEP	4	12days	Black Board
	- P/V ratio - Margin of Safety.	4		
		4		
IV	Budget and Budgetary Control : Characteristics and Limitations – forecast Vs budget-objectives of budget-budgetary control-classification of budget-Preparation of Sales, Production, Raw material Cost, Cash, Master Budgetsand Flexible Budgets.-ZBB	4	12days	Black Board
		4		
		4		
V	Working Capital: Types – Factors Determining Working Capital - Estimate of Working Capital Requirements – Standard Costing – computation of variance-standard cost anestimated cost- Material and Labour Variance only.	4	12days	Black Board
		4		
		4		

Date of CIAs: As per college calendar/need based amendments.

26.10.2023
Date:

Ramale
Principal

P.Shunmuga Thangam
HoD

L.R.Padma Priya.
Course Teacher

SRI SARADA COLLEGE FOR WOMEN (Autonomous)
TIRUNELVELI 627011
COURSE TEACHING/LECTURE/EXAM PLAN

Department	Name of the faculty/s for the course	Academic year	Class
Business Administration	Dr.P.Shunmuga Thangam	2023-2024	III BBA
Semester	Course code	Course title	
V	19UBBC53	Research Methodology	

Title of the book (Text/Reference)	Author/s	Edition & Publisher
Research Methodology	R. PaneerSelvam	2013(1), Prentice Hall of India Learning Pvt Ltd, Delhi
Research Methodology	Donald R.Cooper	2015(9), McGraw hills Pvt Ltd., New delhi

Unit No	Topics	No. of hours	Proposed days/date	Remarks- Faculty/ Teaching aids
I	Basics of research: Concept of research - Business research- Features – Types: Basic and applied, exploratory, descriptive – Phases of business research	3	12days	Black Board
	- Process and formulation of Research problem – Sources – Types – Research Design – types – factors.	3		
		4		
		2		
II	Sampling: Nature -Types of sampling - Merits and Demerits –Determination of Sample size - Sampling Errors – Hypothesis	4	12days	Black Board
		4		
	Characteristics of good Hypothesis – Types.	4		
III	Data collection: Types of data - Sources and Collection of data	4	12days	Black Board
	- Primary and Secondary sources - Methods of data Collection	3		
	- Questionnaire VS Schedule - Merits and Demerits - Scaling Techniques – likert's scale – Thurston scale.	3		
		2		
IV	Data Analysis: Coding - Data entry -Analysis Interpretation of data -Tabulation – Mean – Median – Mode – Standard deviation – Tools for analysis (Percentage and Chi-square analysis only) - .	4	12days	Black Board
		4		
		4		
V	Report Writing: Research Report – Concept – Layout of a research report- Types - -Significance of Report Writing- Contents of a report – Drafting of reports.	4	12days	Black Board
		4		
		4		

Date of CIAs: As per college calendar/need based amendments.

26.10.2023
Date:


Principal

P.Shunmuga Thangam
HoD

P.Shunmuga Thangam
Course Teacher

SRI SARADA COLLEGE FOR WOMEN (Autonomous)
TIRUNELVELI 627011
COURSE TEACHING/LECTURE/EXAM PLAN

Department	Name of the faculty/s for the course	Academic year	Class
Business Administration	Selvi A. Suruthivelvizhi	2023-2024	III BBA
Semester	Course code	Course title	
V	19UBBE51B	Retail Management	

Title of the book (Text/Reference)	Author/s	Edition & Publisher
Retail Management	Nair Suja	2017 (1), Himalaya Publishing House, Mumbai
Retail Management	Dr. L. Natarajan	2016 (1), Margham Publications, Chennai

Unit No	Topics	No. of hours	Proposed days/date	Remarks- Faculty/ Teaching aids
I	Introduction: Retailing – Importance – Functions and Characteristics – Types of Retailers – Retailing principles - Main drives of retailing – Multi channel retailing – social and economic significance of retailing	2	12days	Black Board
	the global retail market: Issues and challenges – retail in India: challenges to retail development in India.	3		
	Retail Market Strategy: Retailing formats: Store based and Non-store based – Advantages and Disadvantages	3		
	buildingsustainable competitive advantage – growth strategies – global growth opportunities – the strategic retailing planning process	4		
II	Retail Location: Types of Location site – Factors influencing selection of Location – Selection of Location (Urban, Rural, Sub-urban) – Merits and Demerits – Information system.	4	12days	Black Board
	Store Layout: Importance – Steps for designing store layout	4		
	Visual merchandising – Types of merchandise -Objectives	4		
III	Essentials of successful visual merchandising- Signage-Types – Characteristics of a good signage.	3	12days	Black Board
	Opportunities in retail marketing: Management and Entrepreneurial opportunities - Internet	3		
	Retailing – Advantages and Disadvantages	2		
IV	Traditional Vs. Cyberretailing – Recent trends of retailing in global scenario.	4	12days	Black Board
	Opportunities in retail marketing: Management and Entrepreneurial opportunities - Internet	3		
	Retailing – Advantages and Disadvantages	3		
	Traditional Vs. Cyberretailing – Recent trends of retailing in global scenario.	2		
V	Opportunities in retail marketing: Management and Entrepreneurial opportunities - Internet	3	12days	Black Board
	Retailing – Advantages and Disadvantages	3		
	Traditional Vs. Cyberretailing – Recent trends of retailing in global scenario.	4		
	Opportunities in retail marketing: Management and Entrepreneurial opportunities - Internet	2		

Date of CIAs: As per college calendar/need based amendments.

26.10.2023
Date:


Principal

P. Shunmuga Thangam
HoD


Course Teacher

SRI SARADA COLLEGE FOR WOMEN (Autonomous)
TIRUNELVELI 627011
EVEN SEMESTER
COURSE TEACHING/LECTURE/EXAM PLAN

Department	Name of the faculty/s for the course	Academic year	Class
Tamil	1. Dr.T.Dhanalakshmi 2. Dr. K. Sindhu 3. Dr. S. Abila Sundari	2023-2024	1 Year Stream A & Stream B.
Semester	Course code	Course title	
II	23UPITA2	Pothu Tamil - II	


Title of the book (Text/Reference)	Author/s	Edition & Publisher
1. தமிழ் இலக்கிய வரலாறு	மு. வரதராசன்	சாகித்ய அக்காதெமி, புதுடெல்லி.
2. தமிழ் இலக்கிய வரலாறு	மது.ச. விமலானந்தன்	மீனாட்சி புத்தக நிலையம், மதுரை.
3. புதிய நோக்கில் தமிழ் இலக்கிய வரலாறு	தமிழன்னை	மீனாட்சி புத்தக நிலையம், மதுரை.
4. தமிழ் இலக்கிய வரலாறு	முனைவர். சிற்பி பாலகப்ரமணியம், முனைவர்.சொ.சேதுபதி	கவிதா பப்ளிகேஷன், சென்னை.
5. புதிய தமிழ் இலக்கிய வரலாறு	முனைவர். சிற்பி பாலகப்ரமணியம், நீல.பத்மநாபன்	சாகித்ய அக்காதெமி, புதுடெல்லி.
6. தமிழ் இலக்கிய வரலாறு	டாக்டர். அ.கா.பெருமாள்	கதர்சன்புக், நாகர்கோவில்.
7. தமிழ் இலக்கிய வரலாறு	முனைவர்.ப.ஏ.கதாசன்	நியூ செஞ்சுரி புக் ஹவுஸ் (பி) லிட்., சென்னை.
8. தமிழ் இலக்கிய வரலாறு	முனைவர் எஸ். ஸ்ரீகுமார்	ஸ்ரீ சென்பகா பதிப்பகம், சென்னை
9. வகைமை நோக்கில் தமிழ் இலக்கிய வரலாறு	பாக்கியமேரி	நியூ செஞ்சுரி புக் ஹவுஸ் (பி) லிட்., சென்னை.
10. தமிழ் பயிற்றும் முறை	பேராசிரியர். ந.சுப்புரெட்டியார்	மணிவாசகர் பதிப்பகம், சிதம்பரம்.

Unit No	Topics	No. of hours	Proposed days/date	Remarks-Faculty/ Teaching aids
I	தமிழ் இலக்கிய வரலாறு அறிமுகம்		15	Black Board
	1.சிறநிலக்கியம் :குறவஞ்சி, கலம்பகம், உலா,பரணி, பள்ளு, பிள்ளைத்தமிழ்.தூது.அந்தாதி	05		
	2. தனிப்பாடல் அறிமுகம்	05		
	3.இக்கால இலக்கியம் :கவிதை ,சிறுகதை, நாடகம்,உரைநடை, திராவிட இயக்கம் வளர்த்த தமிழ்	05		
II	சிறநிலக்கியமும், தனிப்பாடலும்		15	Black Board
	சிறநிலக்கியம் : 1. கவிக்கத்துப்பரணி - விருந்தினரும் வறியவரு நெருங்கி யுள்ளாரும் - முதல் - கேட்பாளர் காண்பின் காண்பின் - வரை 2. திருக்குறையாக் குறவஞ்சி - வானங்கள் களிகொடுத்து 3. முக்கூடற்பள்ளு - ஆற்று வெள்ளம் நானை வரத் 4. அபிராமி அந்தாதி - கலையாத கல்வியும் குறையாத வயதும் (பதினாறு செல்வங்கள்) 5. திருவரங்கக் கலம்பகம் - மறம் - பிள்ளைப்பெருமாள் ஐயங்கார் - பேசுவந்த தூத செல்லரித்த ஓலை செல்லுமே 6. தமிழ் விடு தூது - முதல் பத்து கன்னிகள்	10		

	தனிப்பாடல் : 1. வான் குருவியின் கூடு - ஓளவையாள் 2. ஆமணக்குக்கும் யானைக்கும் சிலேடை : முத்திருக்கும் கொம்பசைக்கும் முரித்தளடே - காளமேகப் புலவர் 3. இம்பர் வான் எல்லை இராமனையே பாடி - வீரராகவர் 4. நாராய் நாராய்-சத்தி முத்தப் புலவர்	05		
III	இக்கால இலக்கியம் - 1 1. பாரதியாள் - பாரத சமுதாயம் வாழ்கவே 2. பாரதிதாசன் - சிறுத்தையே வெளியில் வா 3. நாமக்கல் கவிஞர் - கத்தியின்றி 4. தமிழ்ஒளி - மீன்கள் (அந்தி நிலா பார்க்க வா) 5. ஈரோடு தமிழன்பன் - எட்டாவது சீர் (வணக்கம் வள்ளுவ)	08	20	Black Board
	சிறுகதைகள்: 1. புதுமைப்பித்தன் - கடிதம் 2. ஜெயகாந்தன் - வாய்ச்சொற்கள் (மாலை மயக்கம் தொகுப்பு) 3. ஆர். குடாமணி - அந்நியர்கள்	08		
	உரைநடை : மு.வ கடிதங்கள் - தம்பிக்கு நூலில் முதல் இரண்டு கடிதங்கள்	04		
IV	இக்கால இலக்கியம் -2 1. தந்தை பெரியார் - திருக்குறள் (மாநாட்டு) உரை 2. பேரறிஞர் அண்ணா - இரண்டாம் உலகத்தமிழ் மாநாட்டு உரை	05	25	Black Board
	3. கலைஞர், மு.கருணாநிதி - தொழகாட்சிய பூங்கா - எழுத்து - முதல் நூற்பா கட்டுரை	05		
	நாடகம் / திரைத்தமிழ் : 1. வேலைக்காரி - திரைப்படம் 2. ராஜாராணி - சாக்ரமஸ் - ஓரங்க நாடகம்	05		
	இதழியல்தமிழ் : முரசொலி கடிதம் செம்மொழி வரலாற்றில் சில செப்பேடுகள்	05		
V	மொழிப் பயிற்சி சொல்வேறுபாடு / பிழைவித்தல் 1. வாசிப்பது - வாசிப்பவர் 2. கவர் - கவரில் 3. வயிறு - வயிற்றில் 4. கோயில் - கோவில் 5. கறுப்பு - கருப்பு 6. இயக்குநர் - இயக்குனர் 7. சில்லறை - சில்லரை 8. முறித்தல் - முரித்தல் 9. மனம் - மனக - மனது 10. அருகில் - அருகாமையில் 11. அக்கரை - அக்கறை 12. மங்கலம் - மங்களம்	05	15	Black Board
	பயிற்சி : பிழையான சொற்களை ஒரு பத்தியில் கொடுத்து அந்தப் பிழையான சொற்களைச் சரியாக எழுதச் செய்தல்	05		
	சிறிய பத்தி ஒன்றை ஆங்கிலத்தில் கொடுத்து அதனைத் தமிழில் மொழிபெயர்க்க வைத்தல்	05		

Date of CIAs: As per college calendar/need based amendments.


Principal


HoD

1. ஈழமே
2. சிந்தி
3. சி. அமிலா சிந்தி
Course Teacher

SRI SARADA COLLEGE FOR WOMEN (Autonomous)
TIRUNELVELI 627011
COURSE TEACHING/LECTURE/EXAM PLAN

Department	Name of the faculty/s for the course	Academic year	Class
Famil	1. Dr. T.Dhanalakshmi 2. Dr. K. Sindhu	2023-2024	II Year Stream A
Semester	Course code	Course title	
IV	22PITA4	Pandai Hakkiyam	

Title of the book (Text/Reference)	Author/s	Edition & Publisher
1. செவ்விய நான்குகள் (உரைநடை-செய்யல்)	நவீந்தத்துறைப் பேராசிரியர்கள்	ஸ்ரீ சாரதா பதிப்பகம் . ஸ்ரீ இராசமிகிருஷ்ண நபேராயன் . திருப்பரையத்தூறு
2. தமிழ் இலக்கணம் - அகப்பொருள் புறப்பொருள்	நவீந்தத்துறைப் பேராசிரியர்கள்	ஸ்ரீ சாரதா பதிப்பகம் . ஸ்ரீ இராசமிகிருஷ்ண நபேராயன் . திருப்பரையத்தூறு
3. தரவிதர் களம் (நாடகம்)	ஸ்ரீமத் கவரவி சிதம்பரமந்தர்	ஸ்ரீ சாரதா பதிப்பகம் . ஸ்ரீ இராசமிகிருஷ்ண நபேராயன் . திருப்பரையத்தூறு
4. இலக்கிய வரலாறு	முனைவர் சபேஸ் கமலம்	இயம் வெளிவிடு . தஞ்சை

Unit No	Topics	No. of hours	Proposed days/date	Remarks-Faculty/ Teaching aids		
I	எட்டுத்தொகை நூல்கள்: அகநான்குகள் 1. நற்றிணை 142,172 -பாடல்கள் 2. குறுந்தொகை 2,92,135,145 - 3. அகநானூறு 284 - புறநான்குகள் 4. பதிற்றுப்பத்து - ஏழாற்பத்து 64 - 5. புறநானூறு 173 -	05	20	Black Board & Screen shared		
	பத்துப்பாட்டு நூல்: அகநான்குகள் 6. பட்டினப்பாலை 218-118,77-1 -	05				
	பதினெண் கிழக்கணக்கு நூல்கள் அறநான்குகள் 7. திருக்குறள் - ாயன் 8. நான்மணிக்குகை 94,85 - 9. திரிகடுகம் 27,28 - 10. சிறுபஞ்சவகம் 70,72,79,82 -	05				
	அகப்பொருள்-அன்பின் ஐந்திணைகள்-கைக்கிணை - பெருந்திணை புறப்பொருள் -உழிதரு - தொச்சி-காஞ்சி-வஞ்சி-கரந்தை-வெட்சி - துயம்ப - வரகை பாடல்கள்- மொழிப்பயிற்சி	10 09 01			20	Black Board & Screen shared
III	இலக்கிய வரலாறு சிந்தனைகள் : 1. பாடியும் மாடியும் -ராசேதுபிள்ளை பி. 2. இரந்து வரலும் வரலும் -விவிகவந்தம்.பெ.ஆ. 3. வீரமும் களையும் -கிழக்குநாதர்.வா. 4. வறுமையிழும் மரம் உணர்ச்சி - டாக்டர் மாரீசாசுமணிசங்கரம். 5. கவியின் அன்னை - அஞ்சனம்பத்தர்.ச. 6. தமிழ் அறநான்குகள் காட்டும் தமிழ்கல்வி - முனைவர் சிபராமசுப்பிரமணியன்.	05 05 05 05	20	Black Board		
	7. நயுதனரின் முயல்பாட்டு - முனைவர் தமரவெட்கவி. 8. அகவரலின் அன்பிய இயற்கை -திருமதி முகாத்திகா.	05				
	ஸ்ரீமத் கவரவி சிதம்பரமந்தர்- தரவிதர் களம் மாகுரத்திம் இடம்பெறும் களம் கதரத்திரத்த மையாக மயத்து ஏழுநெற்ற நாடகம்	15			15	Black Board
	V	1. எட்டுத்தொகை நூல்கள் 2. பத்துப்பாட்டு நூல்கள் 3. பதினெண் கிழக்கணக்கு நூல்கள்			05 05 05	15

Date of CIAs: As per college calendar/need based amendments.

Akanale
Principal

சு. சூசா வெட்டு
HoD

1. *fuzed*
2. *Pinky*
Course Teacher

SRI SARADA COLLEGE FOR WOMEN (Autonomous)
TIRUNELVELI 627011

COURSE TEACHING/LECTURE/EXAM PLAN

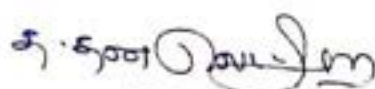
Department	Name of the faculty/s for the course	Academic year	Class
Tamil	1. Dr. T.Dhanalakshmi 2. Dr. K.Sindhu 4. Dr. S. Abila sundari	2023-2024	II Year Stream - B
Semester	Course code	Course title	
IV	22P1TB4	Seviyal Ilakkiyam	

Title of the book (Text/Reference)	Author/s	Edition & Publisher
1 செவ்விய நான்குகள் (உரைநடை - செவ்வியம்)	தொகுப்பாசிரியர்கள் முனைவந்த தளவெட்டகமி திருமதி முகாந்தினி	தமிழாய்வு ஆக்கப்பள்ளி, ஸ்ரீ இராசமிகிருஷ்ணதேவராயம், திருப்பரவந்தூறு
1. தமிழ் இலக்கணம் (வாய்ப்பலக்கணம்)	தொகுப்பாசிரியர்கள் முனைவந்த தளவெட்டகமி செவ்விய வெளியீட்டகம்	தமிழாய்வு ஆக்கப்பள்ளி, ஸ்ரீ இராசமிகிருஷ்ணதேவராயம், திருப்பரவந்தூறு
2 தளவெட்டக கிணர் (நாடகம்)	ஸ்ரீமத்தவாமிசித்தபவானந்தர்	ஸ்ரீ சாரதா பதிப்பகம் ஸ்ரீ இராசமிகிருஷ்ண திருப்பரவந்தூறு, தமீரவாயம்
3 இலக்கிய வரலாறு	முனைவர் சுபாஷ்கந்திரே தேவஸ்	இயல் வெளியீட்டு மையம், திருச்சி

Unit No	Topics	No. of hours	Proposed days/date	Remarks-Faculty/ Teaching aids
I	எட்டுத்தொகை நூல்கள்: அகநானூறு	05	25 hrs	Black Board & Screen shared 1-58
	1. குறுந்தொகை 2,92,135,145 - புறநானூறு			
	2. பதிற்றுப்பத்து - ஏழாப்பத்து 64	05		
	பத்துப்பாட்டு நூல்: அகநானூறு	05		
	பதினெண் கீழ்க்கணக்கு நூல்கள் அகநானூறு	05		
	4. திருக்குறள் வாய்மொழி - 5. நான்மணிக்குகை 94,95 - 6. திரிகடுகம் 27,28 7. சிறுபஞ்சவாய் 70,72,79,82 -	05		
	II	அகப்பொருள்-அன்பின் ஐந்தினங்கள் பெருந்திணை-கிணமைக்க - புறப்பொருள் - உழிஞை - தொச்சி-காஞ்சி-வஞ்சி-காந்தி-வெட்சி- தும்பை பாடல்கள்-யானை		
மொழிப்பலிதரி		09		
மொழிப்பலிதரி		01		
III	இலக்கிய வரலாறு சிந்தனைகள் : 1. பாடலும் மரலும் - ராசேசுமினையி. 2. இரத்த வாயும் வாயும் - கிஷிகவந்தம் பெ.ஆ. 3. வறுமையாலும் மரண உணர்ச்சி - டாக்டர் ம. இராசமணிகமலர். 4. கவிமயம் அம்மை - அஞ்சனசம்பந்தன் ச. 5. நயமுதலாசிரியர் முயல்பாட்டு - முனைவர் தளவெட்டகமி 6. அகவாழ்வின் அன்பில் இயற்கை - திருமதி முகாந்தினி.	07	20hrs	Black Board
		07		
		06		
		06		
IV	ஸ்ரீமத்தவாமிசித்தபவானந்தர்- தளவெட்டக கிணர் கதாபாத்திரத்தை மையமாக வைத்து எழுதப்பெற்ற நாடகம்	15	15hrs	Black Board
V	1. எட்டுத்தொகை நூல்கள்	05	10hrs	Black Board
	2. பதிற்றுப்பாட்டு நூல்கள்	05		

Date of CIAs: As per college calendar/need based amendments.


Principal


HoD

1. சீமான்
2. சிந்தி
3. சி. அபிலா சிந்திரி
Course Teacher

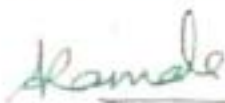
SRI SARADA COLLEGE FOR WOMEN (Autonomous)
TIRUNELVELI 627011
COURSE TEACHING/LECTURE/EXAM PLAN

Department	Name of the faculty/s for the course	Academic year	Class
Tamil	1. Dr.T.Dhanalakshmi 2.Dr. K.Sindhu	2023-2024	I Year Stream A & B II Year Stream A & B
Semester	Course code	Course title	
IV	22UNTA3A	அடிப்படைத்தமிழ் - II	

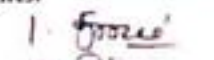
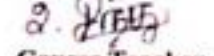
Title of the book (Text/Reference)	Author/s	Edition & Publisher
1. திருக்குறள்	கலைஞர் மு. கருணாநிதி	திருமகள் நிலையம், சென்னை
2. ஆத்திச்சூடி	வள்ளமறி	சரவணா பதிப்பகம், தேவக்கோட்டை.
3 தமிழர் நீதிநெறிக் கருவியம்	அ.சா. குஞ்சாமி	நம்மதா பதிப்பகம், சென்னை
4. இலக்கிய வரலாறு	க. ஆனந்தன்	கன்மணி பதிப்பகம், சென்னை.
5. தமிழர்களின் விளையாட்டுகளும் சிறு விளையாட்டுகளும்	முனைவர் எஸ். செந்தில்வேலன்	மனோபயனிசர்ஸ், திருச்சி

Unit No	Topics	No. of hours	Proposed days/date	Remarks-Faculty/ Teaching aids
I	அற இலக்கியம் :-ஆத்திச்சூடி - (1-06) (அறம் செய விரும்பு முதல் - முனவியம் பேசேல் வரை)	03	06	Black Board & Screen shared
	ஆத்திச்சூடி - (6-12)	03		
II	நன்னெறி இலக்கியம் : வெற்றி வேற்கை (1-07) (எழுத்து அறிவித்தவன் (இறைவன் ஆகும் முதல் வறிஞர்க்கு அழகு வறுமையில் செம்மை வரை)	03	06	Black Board & Screen shared
	வெற்றி வேற்கை (8-15)	03		
III	நீதி இலக்கியம் : திருக்குறள்: கடவுள் வாழ்த்து அதிகாரம் முதல் 5 குறட்பாக்கள்	03	06	Black Board
	திருக்குறள் (1-3) திருக்குறள் (4-5)	03		
IV	இலக்கிய அறிஞர்கள் : தமிழ் அறிஞர்கள் சிலரை அறிமுகம் செய்தல் உ.வே.சா, பரிதிமாற் கலைஞர், மறைமலை அடிகள்	03	06	Black Board
	தேவநேயப் பாவாணர், ரா.பி. சேதுப்பிள்ளை, கப்பிரமணிய பாரதி, பாரதிதாசன்	03		
V	பண்பாட்டுப் பதிவுகள் : விளையாட்டுகள், விழாக்கள் பற்றிய குறிப்புகள் எழுதுதல் விளையாட்டுகள் : 1. சல்லிகட்டு 2. சடுகுடு 3. சிலம்பம் 4. பல்லாங்குழி 5. தட்டாங்கல்	03	06	Black Board
	விழாக்கள் : 1. பங்குளி விழா 2. இத்திர விழா 3. கார்த்திகை விழா 4. சித்திரை விழா 5. எதத்திருவிழா	03		

Date of CIAs: As per college calendar/need based amendments.


Principal


HoD

1. 
2. 
Course Teacher

SRI SARADA COLLEGE FOR WOMEN (Autonomous)
TIRUNELVELI 627011
COURSE TEACHING/LECTURE/EXAM PLAN

Department	Name of the faculty/s for the course	Academic year	Class
Tamil	1. Dr.T.Dhanalakshmi 2. Dr. K.Sindhu 3. Dr.S.Abila sundari	2023-2024	1 Year Stream A & B
Semester	Course code	Course title	
IV	2JUNTA1B	சிறப்புத்தமிழ் - II	

Title of the book (Text/Reference)	Author/s	Edition & Publisher
1. இலக்கிய வரலாறு	க. ஆனந்தன்	கன்மணி பதிப்பகம், திருச்சி
2. பென்னின் பெருமை	திரு.வி.க	பாரி நிலையம், சென்னை.
3. புறநானூறு (மூலமும் உரையும்)	அ.ப. பாஸையன்	சாதாரண பதிப்பகம், சென்னை.
4. திருக்குறள் (மூலமும் உரையும்)	எம்.ஏ. கீர்த்தி	அருணா பப்ளிகேஷன்ஸ், சென்னை
5. சிலப்பதிகாரம்	டாக்டர். ப. சரவணன்	சத்தியா பதிப்பகம், சென்னை
6. இரட்சணிய யாத்திரிகம் - பகுதி I	புலவர். சே. சுந்தராசன்	பாரி நிலையம், சென்னை
7. சீறாப்புராணம் - இரண்டாம் பாகம் (மூலமும் உரையும்)	செய்ததம்பி பாவலர்	யுனிவர்சல் பப்ளிகேஷன்ஸ், சென்னை.

Unit No	Topics	No. of hours	Proposed days/date	Remarks-Faculty/ Teaching aids
I	கட்டுரை பென்னின்பெருமை - திரு.வி.க (தேர்ந்தெடுக்கப்பட்ட கட்டுரைகள்) 1. பென் ஆன் 2. பெண்ணுரிமை 3. பென் வளர்ப்பு 4. பிள்ளைப் பேறு	03	06	Black Board & Screen shared
	5. கைம்மை 6. பெண்மை - தாய்மை - இறைமை	03		
II	செய்யுள்- 1 புறநானூறு 1. கெடுக சிந்தை - ஒக்கர் மாசாத்தியாச் 2. சுன்று புறந்தருதல் - சொன்முடியார் 3. யாதும் ஊரே - கணியன் பூங்குன்றனார்	03	06	Black Board & Screen shared
	திருக்குறள் - வான்சிறப்பு - முழுமையும் சிலப்பதிகாரம் - மங்கல வாழ்த்துப் பாடல் (1-12 அடிகள்) திருவாசகம் - வேண்டத்தக்கது (பாடல் -1)	03		
III	செய்யுள்- 2 1. திருவாய்மொழி - உயர்வற 2. இரட்சணிய யாத்திரிகம்- சிலுவைப்பாடு - பாடல் எண் - 1,3,4	03	06	Black Board
	3. சீறாப்புராணம் - வானவர்க்கும் 4. பாரதியார் - தல்லதேர் வீணை	03		
IV	இலக்கிய வரலாறு பாடல் தழுவி இலக்கிய வரலாறு புறநானூறு- திருக்குறள்- சிலப்பதிகாரம்- திருவாசகம்	03	06	Black Board
	திருவாய்மொழி- இரட்சணிய யாத்திரிகம்- சீறாப்புராணம் பாரதியார் - குறிப்புகள்	03		
V	மொழிப்பயிற்சி - மொழிபெயர்ப்பு	03	06	Black Board
	ஆங்கிலப் பகுதியைத் தமிழாக்கம் செய்தல்	03		

Date of CIAs: As per college calendar/need based amendments.

Ramals
Principal

சு. சந்திரமணி
HoD

1. சுவாமி
2. சிந்தி
3. சி. அபிலா சிந்தி
Course Teacher

SRI SARADA COLLEGE FOR WOMEN (Autonomous)
THRUNELVELI 627011
COURSE TEACHING/LECTURE/EXAM PLAN

Department	Name of the faculty/s for the course	Academic year	Class
Tamil	1. Dr.T.Dhanalakshmi 2. Dr. K.Sindhu 4.Dr.S.Abila sundari	2023-2024	II Year Stream A & B
Semester	Course code	Course title	
IV	22UNTA4B	Thecentanizh -2	

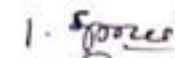
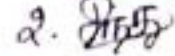

Title of the book (Text/Reference)	Author/s	Edition & Publisher
1. தந்தியின் உடம்ப (சொல்பும், சொழித்திறன் பயிற்சி)	தமிழ்த்துறைப் பேராசிரியர்கள்	ஸ்ரீ சாரதா பதிப்பகம், ஸ்ரீ இராமலிங்கப்பா நகரம், திருப்பரங்குடி.
2. தமிழ் இலக்கணம் (சொல்லிலக்கணம்)	தமிழ்த்துறைப் பேராசிரியர்கள்	ஸ்ரீ சாரதா பதிப்பகம், ஸ்ரீ இராமலிங்கப்பா நகரம், திருப்பரங்குடி.
3. இலக்கிய வரலாறு	முனைவர் கபாலக் கந்திர சேஷ்.	இலம் வெயிசிடு நடுச்சாறு .
4. நகரபலம் - நாடகம்	ஸ்ரீமத் கவாமி சிதம்பரனத்தர்	ஸ்ரீ இராமலிங்கப்பா நகரம், திருப்பரங்குடி.

Unit No	Topics	No. of hours	Proposed days/date	Remarks-Faculty/ Teaching aids
I	பாதிபாசர்- நிவேதிதாதேவி பாதிதாசர் -எங்கள் தமிழ் கவியணி-சாரதா தேவி	03 03	06	Black Board & Screen shared
	II	பெயர்ச்சொல் - வினாச் சொல் வல்லினம்மிகும் இடங்கள் -வல்லினம் மிகா இடங்கள்		
III	சிறுகதை -நாடகம் மாபுக்கவிதை - புதுக்கவிதை,தேற்றலும் வளர்ச்சியும்	03 03	06	Black Board
	IV	கவிதை - (கவாமிசா-விதி, காதா- குரியன், ஆண்டாள் யிரியதர்ஷினி- அத்தி ஓர் அழகிய ஓவியம்,காமராஜர், மு.மேத்தா- அரவிப்பூ அழகிறது)		
V	சிறுகதை -(பாட்டாவி- ஐஸ்மிரியாணி , இளமலம் - ஐஞ்சிக் கன்னம்) நாடகம் - ஸ்ரீமத் கவாமி சிதம்பரனத்தர் - நகரபலம்	03	06	Black Board
	கயதங்கள் - விண்ணப்பம் முறைவீடு,வேள்டுகை	03		

Date of CIAs: As per college calendar/need based amendments.


Principal


HoD

1. 
2. 
3. 
Course Teacher

**SRI SARADA COLLEGE FOR WOMEN (Autonomous)
TIRUNELVELI 627011**

COURSE TEACHING/ LECTURE/ EXAM PLAN

Department Sanskrit	Name of the faculty/s for the course Abhipsa Mohanta, Bappa Das, A M C Mahalakshmi	Academic year 2023-2024	Class II Computer Science, II Information Technology, II B.B.A., II B.C.A., II B.Com., II B.com., (CS)
Semester IV-B1 & B2	Course code	Course title Poetry and History of Sanskrit literature	

Title of the book (Text/Reference) A Short history of Sanskrit literature. https://archive.org/details/AShortHistoryOfsanskritLiterature Neetichandrika https://youtube.com/playlist?list=PLhFBbqHpyErJUgi5xYbXh_qusPQMmdjA&si=8IO3xu2bKKV4Zo4	Author/s T.K. Ramachandra Aiyar, M.A.B.O.I Paravastu Chinnaiyasuri	Edition & Publisher R.S. Vadhyar & Sons Book-Sellers & Publishers Kalpathi, Palakkad – 678 003 (2014 Edition) Vijaya Mudhraksharashakha, Andhra pradesh. (2003 Edition)
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Unit No	Topics	No. of hours	Proposed days/date	Remarks-Faculty/ Teaching aids
I	Nitichandrika – Murkha	18	18	Black board
II	Nitichandrika – Vidya	09	18	Black board
	Nitichandrika – Durjanaha	09		
III	Mahākāvya – I. Origin and Development Mahākāvya	06	18	Black board
	2. Mahākāvyalakshanam,	06		
	3. Pancha Mahakavyam,	06		
IV	1. Devotional Lyrics	06	18	Black board
	2. Erotic Lyrics	06		
	3. Didaactic Lyrics	06		
V	1. History of Scientific Literature - Astronomy.	05	18	Black board
	2. Mathematics, Laws of Conduct	04		
	3. Ayurveda- Administration	05		
	4. Archery – Architecture.	04		

Date of CIAs: As per college calendar/need based amendments.

Date:

Ramala
Principal

HoD

Abhipsa Mohanta

Course Teacher

Abhipsa Mohanta
PL

SRI SARADA COLLEGE FOR WOMEN (Autonomous)
TIRUNELVELI 627011
COURSE TEACHING/ LECTURE/ EXAM PLAN

Department	Name of the faculty/s for the course	Academic year	Class
Sanskrit	Abhipsa Mohanta, Bappa Das, A M C Mahalakshmi	2023-2024	II English, II economics, II Maths, II Physics, II Chemistry
Semester	Course code	Course title	
IV-A		Drama, History, of Dramatic literature and Spoken Sanskrit	

Title of the book (Text/Reference)	Author/s	Edition & Publisher
A Short history of Sanskrit literature. https://archive.org/details/AShortHistoryOfSanskritLiterature	T.K. Ramachandra Aiyar, M.A.B.O.I	R.S. Vadhyar & Sons Book-Sellers & Publishers Kalpathi, Palakkad – 678 003 (2014 Edition)
Karnabharam https://sanskritdocuments.org/doc_z/misc_major_works/karNabhAra.html	T.K. Ramachandra Aiyar, M.A.B.O.I	R.S. Vadhyar & Sons Book-Sellers & Publishers Kalpathi, Palakkad – 678 003 (2017 Edition)

Unit No	Topics	No. of hours	Proposed days/date	Remarks- Faculty/ Teaching aids
I	Karnabharam: Introduction to the author and work	6	18	Black board
	conversation between Karna and Shalya-	6		
	Indra's Entry	6		
II	Indra's Conversation with Karna	6	18	Black board
	Indra's exit	6		
	Karna's entry to battlefield	6		
III	History of dramatic literature: Development – Types - Characteristics	9	18	Black board

	2. Plays of Bhasa	9		
IV	1. Plays of Kailadasa:	9	18	Black board
	2. Spoken Sanskrit-1: Self Introduction – Numbers – Time	9		
V	1. Spoken Sanskrit – 2: Question words – Introduction-	9	18	Black board
	2. Indeclinables.	9		

Date of CIAs: As per college calendar/need based amendments.

Date:

Aramale

Principal

HoD

Aswipa
Mohata

Course Teacher

Aswipa Mohata
M

SRI SARADA COLLEGE FOR WOMEN (Autonomous)
TIRUNELVELI 627011
COURSE TEACHING/ LECTURE/ EXAM PLAN

Department	Name of the faculty/s for the course	Academic year	Class
Sanskrit	Abhipsa Mohanta,Bappa Das,A M C Mahalakshmi	2023-2024	I B.A. (English), I B.sc.,(Maths), I Chemistry, I Computer Science, I Information Technology,I B.B.A., I B.C.A., I B.Com., I B.com.,(CS)
Semester	Course code	Course title	
I		Poetry, Grammar and History of Sanskrit literature	

Title of the book (Text/Reference)	Author/s	Edition & Publisher
A Short history of Sanskrit literature. https://archive.org/details/AshortHistoryOfSanskritLiterature	T.K. Ramachandra Aiyar, M.A.B.O.I	R.S. Vadhyar & Sons Book-Sellers & Publishers Kalpathi, Palakkad - 678 003 (2014 Edition)
Sri kalidasa's Raghuvamsa Mahakavya	T.K. Ramachandra Aiyar, M.A.B.O.I	R.S. Vadhyar & Sons Book-Sellers & Publishers Kalpathi, Palakkad - 678 003 (2004 Edition)

Unit No	Topics	No. of hours	Proposed days/date	Remarks-Faculty/ Teaching aids
I	Introduction to Sanskrit (Alphabets, Two letter words and three letter words)Grammar: <i>akārāntaḥpumliṅgaḥśabda-s</i> - 1.बाल(Bāla) and 2. देव (Deva)	6	18	Black board
	<i>ākārāntaḥstrīliṅgaḥśabda-s</i> - 1.बाल (Bālā) and 2.लता (Lata)	6		
	<i>akārāntaḥnapuṃsakaliṅgaḥśabda-s</i> - 1. फल (Phala) and 2. वन (Vana)	6		
II	Introduction to <i>Rāmāyana</i> ,	6	18	Black board
	<i>Kālidāsa</i> and his poetic works,	6		

	Text: <i>Raghuvamśa</i> (Canto I) Verses 1-15	6		
III	1. Introduction to the works of <i>Bhāravi</i> -	9	18	Black board
	2. Text: <i>Raghuvamśa</i> (canto I) Verses 16-30	9		
IV	Introduction to the works of <i>ŚrīHarṣa</i> -	9	18	Black board
	2. Text: <i>Raghuvamśa</i> (Canto I) Verses 31-45	9		
V	Grammar:		18	Black board
	1. Conjugations - <i>Latlakāra-s</i> - (Present tense) (i) गच्छति (<i>Gacchati</i>) (ii) तिष्ठति (<i>Tiṣṭhati</i>) (iii) पठति (<i>Pathati</i>) (iv) नृत्यति (<i>Nrtyati</i>) (v) कुप्यति (<i>Kupyati</i>) (vi) कथयति (<i>Kathayati</i>) (vii) गणयति (<i>Ḡanayati</i>) (viii) अस्ति (<i>Asti</i>) (ix) करोति (<i>Karoti</i>) (x) शृणोति (<i>Śrṇoti</i>)	6		
	2. Indeclinables (<i>Avyayaani</i>) - अपि (<i>api</i>), कदा (<i>kadā</i>), च (<i>ca</i>), अद्य (<i>adya</i>), विना (<i>vinā</i>), सह (<i>saha</i>), तत्र (<i>tatra</i>), किम् (<i>kim</i>), यदि (<i>yadi</i>) - तर्हि (<i>tarhi</i>), यथा (<i>yathā</i>) - तथा (<i>tathā</i>)	6		
3. Prefixes (<i>Upasargas</i>) - आङ् (<i>āṅ</i>), वि (<i>vi</i>), परि (<i>pari</i>), अनु (<i>anu</i>), अधि (<i>adhi</i>), उत् (<i>ut</i>), प्रति (<i>prati</i>), उप (<i>upa</i>), प्र (<i>pra</i>) निर् (<i>nir</i>)-	6			

Date of CIAs: As per college calendar/need based amendments.

Date:

Ramali
Principal

HoD

Aswipa Mohanta

Course Teacher

Aswipa Mohanta
Pr

SRI SARADA COLLEGE FOR WOMEN (Autonomous)
TIRUNELVELI 627011
COURSE TEACHING/ LECTURE/ EXAM PLAN

Department	Name of the faculty/s for the course	Academic year	Class
English	S. Maharasi	2023-2024	I BA/ BBA/B.Sc/B.Com/B.Com CS
Semester	Course code	Course title	
II	23UP2EN2	General English II	

Title of the book (Text/Reference)	Author/s	Edition & Publisher
Crown Text Book General English I	DR. S.Siddharth	2023 ,Shakespeare publications

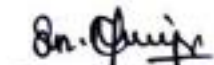
Unit No	Topics	No. of hours	Proposed days/date	Remarks-Faculty/ Teaching aids
I	RESILIENCE		18	Black board
	Poem	04		
	1.1 Don't Quit – Edgar A. Guest			
	1.2 Still Here – Langston Hughes	05		
	Short Story	04		
II	DECISION MAKING	04	18	Black board
	Short Story			
	2.1 The Scribe – Kristin Hunter			
	2.2 The Lady or the Tiger – Frank Stockton	05		
	Poem	05		
III	PROBLEM SOLVING	06	18	Black board
	Prose life Story			
	3.1 How I taught My Grandmother to Read – Sudha Murthy	06		
	Autobiography			
IV	TENSES	05	18	Black board
	4.1 Present	04		
	4.2 Past	05		
	4.3 Future	04		
	4.4 Concord			
V	ENGLISH IN THE WORKPLACE	05	18	Black board
	5.1 E-mail – Invitation, Enquiry, Seeking Clarification			
	5.2 Circular	04		
	5.3 Memo	05		
	5.4 Minutes of the Meeting	04		

Date of CIAs: As per college calendar/need based amendments.

Date:


Principal


HoD


Course Teacher

**SRI SARADA COLLEGE FOR WOMEN (Autonomous)
TIRUNELVELI 627011**

COURSE TEACHING/LECTURE/EXAM PLAN

Department	Name of the faculty/s for the course	Academic year	Class
English	S. Chithra, M.K. ThanusreeRukmani	2023-2024	I B.A English
Semester	Course code	Course title	
II	23UENC21	British Literature -I	

Title of the book (Text/Reference)	Author/s	Edition & Publisher
Francis Bacon.	Bacon, Francis, and Michel Leiris	Ediciones Poligrafa, 2008.

Unit No	Topics	No. of hours	Proposed days/date	Remarks-Faculty/ Teaching aids
I	Of Truth, Of Adversity- Francis Bacon	03	15	Black board
	A City Night Piece- Oliver Goldsmith	03		
	The Spectator Club, On Gratitude,	06		
	On Giving Advice- Joseph Addison and IA Richard Steele	03		
II	Robinhood and Monk – Robert Jamieson	03	15	Black board
	The Potter – Robert Edgar Burns	03		
	Prologue – Anne Bradstreet	03		
	The Chimney Sweeper – William Blake	03		
	Endymion Book – I – John Keats	03		
III	Arethusa, Hymn to Intellectual Beauty – P.B.Shelly	05	15	Black board
	Ode :TO Intimation and Immorality –William Wordsworth	05		
	She Walks in Beauty – Lord Byron	05		
	Paradise Lost Book – 4- John Milton	05		
IV	Dr. Faustus- Christopher Marlowe	05	15	Black board
	Philaster – Francis Beaumont and John Fletcher	05		
	She Stoops to Conquer – Oliver Goldsmith	05		
V	Captain Walton's Conclusion Frankenstein – Mary Shelly	05	15	Black board
	Voyage to Lilliput/ Houyhnm's – Gullivers Travel – Jonathan Swift	05		
	Recalled to Life- A Tale of Two Cities – Charless Dickens	05		

Date of CIAs: As per college calendar/need based amendments.

Date:


Principal


HoD

M.K. Thanusree
Rukmani
Course Teacher

SRI SARADA COLLEGE FOR WOMEN (Autonomous)
TIRUNELVELI 627011
COURSE TEACHING/LECTURE/EXAM PLAN

Department	Name of the faculty/s for the course	Academic year	Class
English	P. MegalaSorna Lakshmi	2023-2024	1 BA English
Semester	Course code	Course title	
II	23UENC22	American Literature I	

Title of the book (Text/Reference)	Author/s	Edition & Publisher
American Women Poets: Pioneers of Modern Poetry	Jean Gould	1980
Emily Dickinson: Poems	Emily Dickinson, Johanna Brownell	2015, Chart Well Books

Unit No	Topics	No. of hours	Proposed days/date	Remarks- Faculty/ Teaching aids
I	1. E.M.Foster – The Prologue Passage to India (Lines 1-68)	08	15	Black board
	2. Walt Whitman – O Captain, My Captain!	07		
II	1.Sherman Alexie – Crow Testament, Evolution	05	15	Black board
	2.Edgar Allan Poe – The Raven	05		
	3.Emily Dickinson – Because I Could Not Stop for Death	05		
III	1.Edgar Allan Poe-The Philosophy of Composition	05	15	Black board
	2. Martin Luther King Jr – I have a Dream	05		
	3.Abraham Lincoln – Gettysburg Address	05		
IV	1.Tennessee Williams – The Glass Menagerie	08	15	Black board
	2. Eugene O' Neil-Emperor Jonesa	07		
V	1.Harriet Beecher Stowe – Uncle Tom's Cabin	03	15	Black board
	2.Herman Melville- Billy Budd	03		
	3.Washington Irving- The Legend of the Sleepy Hollow, Rip Van Winkle	05		
	4.Leslie Marmon Silko- Ceremony	04		

Date of CIAs: As per college calendar/need based amendments.

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SRI SARADA COLLEGE FOR WOMEN (Autonomous)

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COURSE TEACHING/LECTURE/EXAM PLAN

Department	Name of the faculty/s for the course	Academic year	Class
ENGLISH	Selvi. M.Gokila	2023-2024	IBA ENGLISH
Semester	Course code	Course title	
II	23UENE21	History of English Literature	

Title of the book (Text/Reference)	Author/s	Edition & Publisher
1. The Oxford Companion to Twentieth-Century Poetry in English	Hamilton, I.	Oxford University Press, 1994
2. The Reader's Companion to Twentieth-Century Writing	Parker, P.	London: Helicon, 1995

Unit No	Topics	No. of hours	Proposed days/date	Remarks-Faculty/ Teaching aids
I	History Of British Literature	03	12	PPT
	British Poetry, Prose, Drama And Fiction,	06		
	Covering Representative Writers Down the Ages	03		
II	The Renaissance Period(1350-1660):An Introduction To Bible Translation-Tyndale, Coverdale,	02	12	Screen Sharing
	The University Wits,	04		
	Elizabethan And Jacobean Drama,	04		
	Comedy Of Humours	02		
III	The Late Seventeenth And The Eighteenth Centuries (1660-1800):Comedy Of Manners, Neo-Classicism,	04	12	PPT
	Sentimental And Anti-Sentimental Comedies	04		
	Pre-Romantics	04		
IV	Well Made Play(Drama Of Ideas -Shaw And Ibsen),	02	12	Lecture
	Existential Drama, Comedy Of Menace,	04		
	Kitchen-Sink Drama, Problem Play,	03		
	Didactic Drama (Propaganda Play),One-Act Play	03		
V	The Victorian Age (1832-1901): Pre-Raphaelite movement-D.G. Rossetti, Christina	03	12	Lecture
	Rossetti Victorian Poets-Tennyson, Browning	03		
	Victorian Novelists-Charles Dickens, Thackeray	03		
	Victorian Writers- Carlyle, Ruskin Impressionistic Writers-Proust, Joyce Symbolist Movement-Yeats	03		

Date of CIAs: As per college calendar/need based amendments.

Date:


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HoD

M. Gokila

Course Teacher

**SRI SARADA COLLEGE FOR WOMEN (Autonomous)
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COURSE TEACHING/ LECTURE/ EXAM PLAN

Department	Name of the faculty/s for the course	Academic year	Class
English	A. Balambigai	2023-2024	I BA English
Semester	Course code	Course title	
II	22UENSE21A	English For Communication	

Title of the book (Text/Reference)	Author/s	Edition & Publisher
Crown Text Book General English I	M. Ashraf Rizvi	2023 ,Shakespeare publications

Unit No	Topics	No. of hours	Proposed days/date	Remarks- Faculty/ Teaching aids
I	Communication: Basic Communication Styles – Passive, Aggressive, Assertive- Significance of Communication	03	06	Black board
		03		
II	Types of Communication- Verbal	03	06	Black board
	Non-Verbal	03		
III	Effective Communication Skills	06	06	Black board
IV	Skills to be acquired in communication- Speaking/	02	06	Black board
	Reading/ Writing/ Listening	04		
V	Application of learning	06	06	Black board

Date of CIAs: As per college calendar/need based amendments.

Date:

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Principal

S. Rati

HoD

A. Balambigai

Course Teacher

SRI SARADA COLLEGE FOR WOMEN (Autonomous)

TIRUNELVELI 627011

COURSE TEACHING/ LECTURE/ EXAM PLAN

Department	Name of the faculty/s for the course	Academic year	Class
English	C Devisri	2023-2024	I BA, B.Com, B.Com CS, B.Sc.
Semester	Course code	Course title	
II	23UENS22	Philosophy For Literature	

Title of the book (Text/Reference)	Author/s	Edition & Publisher
History of Western Philosophy.	Bertrand Russell	Routledge, 2016.

Unit No	Topics	No. of hours	Proposed days/date	Remarks-Faculty/ Teaching aids
I	The World of Greeks Heraclitus- Flux and the unity of opposites	02	06	Black board/ lecture
	Socrates- Nature of Poet and Rhapsode, Dialogue with Ion	02		
	Plato- Concept of Forms, Ideal vs Physical	01		
	Aristotle- Concept of Soul, Beauty, Art, Nature	01		
II	Robert Frost -West-Running Brook	02	06	Black board/ lecture
	S T Coleridge- Kubla Khan	02		
	P B Shelley- Ozymandias,	01		
	Keats- Endymion I(First33lines)(Aristotle's idea of soul, beauty, Art and nature)	01		
III	Enlightenment and After- Rene Descartes- Rationalism, Dualism. Spinoza- idea of Nature and God, Pantheism, concept of substance and modes, Cartesian dualism vs Spinoza's monism.	02	06	Black board/ lecture
	John Locke – Liberalism, Empiricism. Immanuel Kant- Transcendental Idealism.	02		
	Edmund Husserl- Phenomenology, Karl Marx, Critique of Capitalist Society, Base and Superstructure	02		
IV	Emily Dickinson -The Brain—is wider than the Sky(Debate the Cartesian mind body or material immaterial dualism), Walt Whitman - On the Beach at Night Alone.(Spinoza's pantheism),	03	06	Black board/ lecture
	William Ross Wallace -The Liberty Bell(Locke's liberalism and the turn of humanity), D.H. Lawrence -How Beastly the Bourgeois Is?(Marx's idea of social class)	03		
V	Nihilism, Existentialism and Afterwards Wallace Stevens-Sad Strains of a GayWaltz. (Nietzsche's idea of nihilism and the death of god),	02	06	Black board/ lecture
	W H Auden- Who's Who? (Heidegger's idea of Dasein and Geworfenheit, Being-thrown-in-the-world), Ted Hughes. Hawk Roosting. (ego that mediates the instinctual id and the critical super ego),	02		
	Maya Angelou - When I think of myself, I (de Beauvoir's concept of becoming),	02		

Date of CIAs: As per college calendar/need based amendments.

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Course Teacher

SRI SARADA COLLEGE FOR WOMEN (Autonomous)

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COURSE TEACHING/LECTURE/EXAM PLAN

Department	Name of the faculty/s for the course	Academic year	Class
ENGLISH	D.SATHIYA	2023-2024	II BA/ B.Sc/ B.Com/ BBA/ B.Com CS
Semester	Course code	Course title	
IV	22P2EA4	General English- IV	

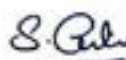
Title of the book (Text/Reference)	Author/s	Edition & Publisher
Lilavati's Daughters	RohiniGodbole	2015
Soft Skills	S. Hariharan, N. Sundararajan, S.P. ShanmugaPriya	MJP Publishers, 2010

Unit No	Topics	No. of hours	Proposed days/date	Remarks-Faculty/ Teaching aids
I	Poetry	04	18	Black board
	1. Sarojini Naidu- Conquest			
	2. John Donne - Song	04		
	3. Michael Ondaatje- The Cinnamon Peeler	05		
	4. W.H. Auden - The More Loving One	05		
II	Prose	06	18	Black board
	1. Srimath Swami Chidbhavananda -The Student (ChapterV)			
	2. Rohini Godbole- Lilavati's Daughter: Dharshan Ranganathan	06		
	3. M. K. Gandhi - The First Case	06		
III	Drama	18	18	Black board
	1. Shakespeare – The Merchant of Venice Act IV(The Trial Scene)			
IV	Grammar	06	18	Black board
	Transformation of Sentences			
	American and British English	06		
	Spotting the Errors	06		
V	Communication Skills	06	18	Black board
	Interview, Group Discussion			
	Agenda writing, Minutes writing,	06		
	Resume writing	06		

Date of CIAs: As per college calendar/need based amendments.

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Course Teacher

**SRI SARADA COLLEGE FOR WOMEN (Autonomous)
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COURSE TEACHING/ LECTURE/EXAM PLAN

Department	Name of the faculty/s for the course	Academic year	Class
English	Selvi. E. Santhana Bala Divya	2023- 2024	II BA English
Semester	Course code	Course title	
IV Semester	22UENC41	History of English Literature – II	

Title of the book (Text/Reference)	Author/s	Edition & Publisher
An Outline History of English Literature	William Henry Hudson	1912, Maham Publishers
A History of English Literature	Aditi Chowdhury and Rita	2011, Orient Blackswan Pvt. Ltd.

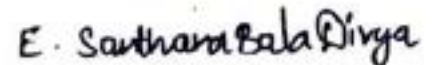
Unit No	Topics	No. of hours	Proposed Days/Date	Remarks-Faculty/ Teaching aids
I	The Age of Johnson – General Prose,	05	15	PPT
	The Novel	05		
	The Verse	05		
II	The Age of Wordsworth-	05	15	Black Board
	The Older Poets	05		
	The Younger Poets	05		
III	The Age of Tennyson – Verse,	05	15	PPT, Black Board
	General Prose	05		
	Novel	05		
IV	The Age of Hardy	15	15	PPT, Black Board
V	The Present Age	15	15	Black Board

Date of CIAs: As per college calendar/need based amendments.

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Course Teacher

**SRI SARADA COLLEGE FOR WOMEN (Autonomous)
TIRUNELVELI 627011**

COURSE TEACHING/LECTURE/EXAM PLAN

Department	Name of the faculty/s for the course	Academic year	Class
English	L. S.Chithra/ A. Balambigai	2023-2024	II BA English
Semester	Course code	Course title	
IV	22UENC42	Poetry	

Title of the book (Text/Reference)	Author/s	Edition & Publisher
Floral Gems of Poems	Dr. G. Ruby Davaseeli	2016 (1) New Century Book House
An Anthology of Poems in New Literature	P.S.S. Avadaippan	2015(1) New Century Book House
Heard Melodies	Dr. V. Premkumar	2014(1) New Century Book House

Unit No	Topics	No. of hours	Proposed days/date	Remarks-Faculty/ Teaching aids
I	Indian Poetry	04	12	Black Board
	1. Vikram Seth(India)-Across			
	2. Nissim Ezekiel(India) – Good bye Party for Miss Pushpa. T	04		
	3.S.ShivK.Kumar(India) - Indian Women	04		
II	British Poetry	04	12	Black Board
	1.Rossetti(English)- Blessed Damsel			
	2.Hopkins(English)- The Wind Hover	04		
	3.W. B. Yeats(Irish)- The Stolen Child	04		
III	American Poetry	04	12	Black Board
	1.Robert Burns(Scott) - A Red, Red, Rose			
	2.Langston Hughes(America)- Let America be America Again	04		
	3.Joyce Carol Oates(America) - Kite	04		
IV	Canadian Poetry	04	12	Black Board
	1.Margaret Atwood (Canada) – Morning in the Burned House			
	2.David Zieroth(Canada)- A Minor Talent	04		
	3.Wilfred Campbell (Canada) -The Winter Lake	04		
V	African Poetry	04	12	Black Board
	1.Gabriel Okara(Nigeria) – Telephonic Conversation			
	2.SamBradley(English) -African in this Different Land	04		
	3.Derek Walcott(Africa) - A Far cry from Africa	04		

Date of CIAs: As per college calendar/need based amendments.

Date:

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Principal

S. P. S.
HoD

S. P. S.
Course Teacher

SRI SARADA COLLEGE FOR WOMEN (Autonomous)
TIRUNELVELI 627011
COURSE TEACHING/LECTURE/EXAM PLAN

Department	Name of the faculty/s for the course	Academic year	Class
English	Smt. B.Ramalakshmi / Selvi K.Arthi	2023-2024	II B.A English
Semester	Course code	Course title	
IV	22UENA41	Children Literature	

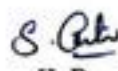
Title of the book (Text/Reference)	Author/s	Edition & Publisher
1. Harry Potter and the Philosopher's Stone	J.K Rowling	Bloomsbury Publishing company Ltd
2. Mahabharata: the Philosophy of Humanity for the Use of College students	Swami Chidbhavananda	Sri Ramakrishna Tapovanam Publications

Unit No	Topics	No. of hours	Proposed days/date	Remarks-Faculty/ Teaching aids
I	Poetry 1. Robert Louis Stevenson(Scotland) –My Shadow	03	09	Black Board
	2. Ted Hughes(English) -Jaguar	03		
	3. Roald Dahl(British)- Little Red Riding Hood and the Wolf	03		
II	Prose 1.Swami Vivekananda(India) - The Secret of Work	03	09	Black Board
	2.Swami Chidbhavananda (India) -The Indian National Education	03		
	3.Swami Vivekananda(India) - Sisters and Brothers of America	03		
III	Short Stories Vishnu Sharma(India) - Panchatantra (Five Stories)	02	09	Using Projector narrate the stories.
	The Monkey and the Crocodile	01		
	The Stork and Crab	02		
	The Elephant and the Mice	02		
	The Loyal Mongoose	01		
	The Tortoise and Geese	01		
IV	Drama J.M. Barrie(Scott) - Peter Pan	09	09	Using Projector and show movies to the students
V	Fiction J.K. Rowling(British) - Harry Potter &the Philosopher's Stone	09	09	Using Projector and show movies to the students

Date of CIAs: As per college calendar/need based amendments.

Date:


Principal


HoD

B. Ramalakshmi

Course Teacher

SRI SARADA COLLEGE FOR WOMEN (Autonomous)
TIRUNELVELI 627011
COURSE TEACHING/LECTURE/EXAM PLAN

Department	Name of the faculty/s for the course	Academic year	Class
English	D.Sathiya P. Megala Soma Lakshmi	2023-2024	II B.A English
Semester	Course code	Course title	
IV	22UENS41	Communication Techniques in English	

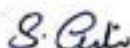
Title of the book (Text/Reference)	Author/s	Edition & Publisher
Effective Technical Communication	M Ashraf Rizvi	2005(1) Tata McGraw- Hill: New Delhi
English Vocabulary in Use	Michael McCarth and O'Dell Felicity	2004(1) Cambridge University press.

Unit No	Topics	No. of hours	Proposed days/date	Remarks- Faculty/ Teaching aids
I	Functional Grammar, Parts of Speech,	03	12	Black Board
	Tense, Concord,	03		
	Voice, Articles, Conditionals, Modal Auxiliary Verbs,	03		
	Word Formation	03		
II	Punctuation, Discourse Markers,	04	12	Black Board
	Basic Sentence Patterns, Types of Sentences,	04		
	Framing Sentences, Clauses and Phrases	04		
III	Error Analysis, Reading Skills,	04	12	Black Board
	Reading Strategies, Listening Comprehension, Contextual Use of Words,	04		
	Situational Speech	04		
IV	Presentation Skills	04	12	Black Board
	Techniques,	04		
	Elements, Types	04		
V	Note Making, Summarizing, Continuous Writing,	04	12	Black Board
	Description, Personal Letters,	04		
	Business Letters, and Email Writing, Minutes of the Meeting	04		

Date of CIAs: As per college calendar/need based amendments.

Date:


Principal


HoB


Course Teacher

SRI SARADA COLLEGE FOR WOMEN (Autonomous)

TIRUNELVELI 627011

COURSE TEACHING/LECTURE/EXAM PLAN

Department	Name of the faculty/s for the course	Academic year	Class
English	P.MegalaSorna Lakshmi	2023-2024	II B.COM/CS/IT
Semester	Course code	Course title	
IV	22UNEN4A	Honing Communication Skills in English	

Title of the book (Text/Reference)	Author/s	Edition & Publisher
Effective Technical Communication	M Ashraf Rizvi	2005(1) Tata McGraw- Hill: New Delhi
Advanced Skills for Communication in English	V. JeyaSanthi& Dr. R. Selvam	2015(1) New Century Book House

Unit No	Topics	No. of hours	Proposed days/date	Remarks- Faculty/ Teaching aids
I	Self Introduction, English for Etiquette- Greeting, Introducing, Congratulating, Requesting,	03	06	Black Board
	Accepting, Apologizing, Gratitude, Accepting, Seeking, Granting and Declining Permission	03		
II	Dialogue Building- Formal, Semi-Formal and Informal	03	06	Black Board
	Asking/ Giving Direction	03		
III	Notice, Agenda	03	06	Black Board
	Minutes Writing, Designing a Resume	03		
IV	Situational Speeches Vote of Thanks,	02	06	Black Board
	Welcome Address	02		
	Compering	02		
V	Group Discussion,	02	06	Black Board
	Interview Facing Skill	02		
	Letter Writing (5 types)	02		

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Course Teacher

SRI SARADA COLLEGE FOR WOMEN (Autonomous)
TIRUNELVELI 627011
COURSE TEACHING/LECTURE/EXAM PLAN

Department	Name of the faculty/s for the course	Academic year	Class
English	Selvi M.K.Thanusree Rukmani, Assistant Professor	2023-2024	III B.A English
Semester	Course code	Course title	
VI	19UENC61	Shakespeare	

Title of the book(Text/Reference)	Author/s	Edition & Publisher
Shakespeare's Sonnets and Poems	Barbara A. Mowat & Paul Werstine	2006, Simon & Schuster Publishers
The Complete Works of William Shakespeare	David Bavinton	1996 Longman Publishers

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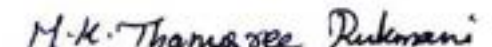
Unit No	Topics	No. of hours	Proposed days/date	Remarks- Faculty/ Teaching aids
I	Dark Lady Sonnets: Sonnet 127- In the Old Age Black was Not Counted Fair	08	15	Blackboard
	Sonnet 152- In loving thee thou know's I am forsworn	07		
II	King Lear Plot construction,	05	15	Blackboard
	Character analysis,	05		
	Background of the story	05		
III	As You Like It Plot construction,	05	15	Blackboard
	Character analysis,	05		
	Background of the story	05		
IV	King John Plot construction,	05	15	Blackboard
	Character analysis,	05		
	Background of the story	05		
V	Elizabethan Stage and Audience Fools and Clowns	05	15	Blackboard
	Women in Shakespeare	05		
	Supernatural Elements	05		

Date of CIAs: As per college calendar/need based amendments.

Date:


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Course Teacher

SRI SARADA COLLEGE FOR WOMEN (Autonomous)
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COURSE TEACHING/LECTURE/EXAM PLAN

Department	Name of the faculty/s for the course	Academic year	Class
English	Selvi. E. Santhana Bala Divya Selvi. C. Devi Sri	2023-2024	III B.A English
Semester	Course code	Course title	
VI	22UENC62	History of English Language & Linguistics	

Title of the book (Text/Reference)	Author/s	Edition & Publisher
An Outline History of the English Language	F.T. Wood	2014, Trinity Press
A History of English Language	Albert C. Baugh and Thomas Cable	2013, Oxford University Press
The Making of English	Henry Bradley	2006, Dover Publication

Unit No	Topics	No. of hours	Proposed days/date	Remarks- Faculty/ Teaching aids
I	History of the English Language The Origin of Language	03	15	Lecture
	Place of English in the Indo - European family	04		
	General Characteristics of Old English (450-1100) The Old English Period	04		
	The Middle English period	04		
II	Modern English Characteristics of Modern English	03	15	PPT & Black Board
	The Evolution of Standard English	04		
	Change of Meaning	04		
	The English Lexicon	04		
III	Linguistics What is Linguistics? Introduction to Traditional Grammar and Modern Grammar	05	15	Lecture
	Introduction to Morphology, Syntax, Semantics and Pragmatics.	05		
		05		
IV	Makers of English: The Bible	05	15	Black Board
	Spencer, Shakespeare,	05		
	Milton and Dr. Johnson	05		
V	The Rise and Growth of Modern English: The Growth of Vocabulary Greek	05	15	Lecture
	Latin, Scandinavian	05		
	Indian and French Influences	05		

Date of CIAs: As per college calendar/need based amendments

Date:

Ramale S. Gali
Principal HoD

E. Santhana Bala Divya

Course Teacher

SRI SARADA COLLEGE FOR WOMEN (Autonomous)

TIRUNELVELI 627011

COURSE TEACHING/LECTURE/EXAM PLAN

Department	Name of the faculty/s for the course	Academic year	Class
English	Arthi. K	2023-2024	III B.A English
Semester	Course code	Course title	
VI	19UENC63	Literature in Translation	

Title of the book(Text/Reference)	Author/s	Edition & Publisher
Shakespeare's Sonnets and Poems	Barbara A. Mowat & Paul Werstine	2006, Simon & Schuster Publishers
The Complete Works of William Shakespeare	David Bavinon	1996 Longman Publishers

Unit No	Topics	No. of hours	Proposed days/date	Remarks- Faculty/ Teaching aids
I	Introduction	08	15	Blackboard
	History of Translation, Definition			
II	Poem	05	15	Blackboard
	G. U. Pope- Tirukkural			
	Chapter 8 - Possession of Love			
III	Chapter 11 - Gratitude	05	15	Blackboard
	Prose	08		
IV	Ruffus Goodwin : The Prince (Chapter 16)	07	15	Blackboard
	Ruffus Goodwin : The Prince (Chapter 17)	05		
V	N. V. M. Gonzalez - The Bamboo Dancers	05	15	Blackboard
	Plot construction	05		
	Character analysis	05		
V	Arur W. Ryder - Sakunthala	05	15	Blackboard
	Plot construction	05		
	Character analysis	05		

Date of CIAs: As per college calendar/need based amendments.

Date:

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Principal

S. Rathi

HoD

Course Teacher

SRI SARADA COLLEGE FOR WOMEN (Autonomous)
TIRUNELVELI 627011
COURSE TEACHING/LECTURE/EXAM PLAN

Department	Name of the faculty/s for the course	Academic year	Class
English	Smt. B. Ramalakshmi	2023 - 2024	III B A English
Semester	Course code	Course title	
VI Semester	19UENC64	Introduction to English Language Teaching	

Title of the book (Text/Reference)	Author/s	Edition & Publisher
Teach English: A Training Course for Teachers	Adrian Doff	2012(1) - Tata-Mcgraw Hill Education,
Discourse Analysis for Language Teachers	Michael McCarthy	2016 (1) - Cambridge University Press
Models of Teaching	Bruce Joyce, and Marsha Well	2013 (1) - Sage Publications

Unit No	Topics	No. of hours	Proposed days/date	Remarks-Faculty/ Teaching aids
1	Major Trends in English Language Teaching:	10	15	Blackboard
	A Brief History of Early Developments	05		
2	Teaching English in India:	08	15	Lecture
	English as a Medium of Instruction, and as a Foreign Language	07		
3	Basic Approaches and Methods:	08	15	Blackboard
	The Nature of Approach and Methods	07		
4	Introduction to Advanced Approaches and Methods: Content-	08	15	Blackboard
	Based Instruction Content and Language Integrated Learning	07		
5	Outcome Based: ICT, Assessment	08	15	Blackboard
	Evaluation in English Classroom	07		

Date of CIAs: As per college calendar/need based amendments.

Date:

Ramale
Principal

S. Rathi
HoD

B. Ramalakshmi
Course Teacher

SRI SARADA COLLEGE FOR WOMEN (Autonomous)
TIRUNELVELI 627011

COURSE TEACHING/LECTURE/EXAM PLAN

Department	Name of the faculty/s for the course	Academic year	Class
ENGLISH	S.Chithra D.Sathiya	2023-2024	III BA ENGLISH
Semester	Course code	Course title	
VI	22UENC65	American Literature	

Title of the book (Text/Reference)	Author/s	Edition & Publisher
Raven	Gustave Dore Edgar Allen Poe	2013, Courier Corporation
The Poems of Emily Dickinson: Reading edition	R. W. Franklin	2005 Belknap Press: An imprint of Harvard University Publication
Catch -22	Joseph Heller	Suddeutschezeitung/ bibliothek

Unit No	Topics	No. of hours	Proposed days/date	Remarks-Faculty/ Teaching aids
I	Poetry 1.Edgar Allen Poe: a)The Raven b) The Haunted Palace	05	15	Black board
	2.Walt Witman- Song of Myself 3.Emily Dickinson -a) Hope is the thing with feathers b) Success is Counted Sweetest	05		
	4.Ralph Waldo Emerson - a) Loss and Gain b) Days 5.Robert Frost - a) After Apple Picking b) West Running Brook	05		
II	Prose 1.Louis Fischer- Gandhi and the Western World	07	15	Black Board
	2.Martin Luther King- I Have a Dream	08		
III	Short stories 1.Edgar Allen Poe- The Fall of the House of Usher	10	15	Lecture & Black Board
	2.O'Henry - The Cop and Anthem	05		
IV	Drama 1.Arthur Miller - All My Son's	10	15	Lecture & Black Board
	2.Tennessee Williams - A Streetcar named Desire	05		
V	Novel 1. Herman Melville - Moby Dick	08	15	Lecture
	2. F.Scott Fitzgerald - The Great Gatsby	07		

Date of CIAs: As per college calendar/need based amendments.

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Principal

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Course Teacher

SRI SARADA COLLEGE FOR WOMEN (Autonomous)

TIRUNELVELI 627011

COURSE TEACHING/LECTURE/EXAM PLAN

Department	Name of the faculty/s for the course	Academic year	Class
ENGLISH	Selvi. M. Gokila	2023-2024	III BA ENGLISH
Semester	Course code	Course title	
VI	19UENE61A	Culinary in Fiction	

Title of the book (Text/Reference)	Author/s	Edition & Publisher
Like Water for Chocolate	Laura Esquiél	Random House 1995
The Edible Woman	Margret Atwood	Virago Publication 2009

Unit No	Topics	No. of hours	Proposed days/date	Remarks- Faculty/ Teaching aids
I	Joanne Harris(England)- Chocolate	03	15	PPT
	Author Introduction,	04		
	Culinary aspects,	04		
	Major Themes	04		
II	Chithra Bannerjee Devakaruni (India): The Mistress of Species	03	15	Screen Sharing
	Author Introduction,	04		
	Culinary aspects,	04		
	Characteristics of Species	04		
III	Preethi Nair(British)- Hundred Shades of White	04	15	PPT
	Author Introduction,	04		
	Culinary aspects,	04		
	Major Themes- Culture and Identity	03		
IV	Margret Atwood (Canada)- The Edible Woman	04	15	Lecture
	Author Introduction,	04		
	Culinary aspects,	04		
	Food and Emotion,	03		
V	Laura Esquiél (Mexcian)- Like Water for Chocolate	03	15	PPT
	Author Introduction,	04		
	Culinary aspects,	04		
	Major Themes	04		

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S. Gali
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M. Gokila
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SRI SARADA COLLEGE FOR WOMEN (Autonomous)
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COURSE TEACHING/LECTURE/EXAM PLAN

Department	Name of the faculty/s for the course	Academic year	Class
English	Arthi K	2023-2024	I MA English
Semester	Course code	Course title	
II	23PENC22	Shakespeare Studies	

Title of the book (Text/Reference)	Author/s	Edition & Publisher
Wheel of Fire: Essays in Interpretation of Shakespeare's Sombre Tragedies.	Knight G.W	1957
William Shakespeare: His World, His Work, His Influence, Charles Scribner's Sons.	John Andrews	1985

Unit No	Topics	No. of hours	Proposed days/date	Remarks- Faculty/ Teaching aids
I	Shakespeare Theatre; Theatre Conventions; Sources; Problems of categorization;	06	18	Black board
	Trends in Shakespeare Studies up to the 19 th Century;	06		
	Sonnet and court politics; famous actors; theatre criticism; Shakespeare into film & play production.	06		
II	Sonnets-12, 65, 86, 130,	09	18	Black board
	Comedies-Much Ado About Nothing, Winter's Tale.	09		
III	Tragedy Othello	09	18	Black board
	Plot construction	09		
IV	History Henry IV Part I	09	18	Black board
	Plot construction	09		
V	Shakespeare Criticism-Modern approaches- mythical, archetypal, feminist, post-colonial, New historicist; A.C. Bradley (extract) Chapter V & VI and the New Introduction by John Russell Brown in Shakespearean Tragedy by A.C. Bradley, London, Macmillan, Third Edition, 1992.	06	18	Black board
	Granville Baker - From Prefaces to Shakespeare Stephen Greenblatt - Invisible Bullets: Renaissance Authority and its Subversion, Henry IV & Henry V, in Shakespearean Negotiations. New York: Oxford University Press, 1988	06		
	Also in Political Shakespeare: New Essays in Cultural Materialism. Eds. Jonathan Dollimore and Alan Sinfield Manchester University Press, 1994, Ania Loomba Sexuality and Racial Difference in Gender, Race, And Renaissance Drama, Manchester UP, 1989.	06		

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SRI SARADA COLLEGE FOR WOMEN (Autonomous)
TIRUNELVELI 627011
COURSE TEACHING/LECTURE/EXAM PLAN

Department	Name of the faculty/s for the course	Academic year	Class
English	Selvi. E. SanthanaBalaDivya Selvi. P. MegalaSoma Lakshmi	2023-2024	I M.A English
Semester	Course code	Course title	
II	23PENC21	American Literature	

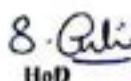
Title of the book (Text/Reference)	Author/s	Edition & Publisher
Willis Wagner	American Literature-A World View	-
Marcus Cunliffe	Sphere History of Literature -American Literature	1900
Boris Ford	The new Pelican Guide to English Literature Vol.9	-

Unit No	Topics	No. of hours	Proposed days/date	Remarks- Faculty/ Teaching aids				
I	POETRY Walt Whitman "Out of the Cradle Endlessly Rocking", Emily Dickinson "The Last Night That She Lived", "The Soul Selects Her Own Society", Robert Frost "After Apple Picking", E.E. Cummings "Cambridge Ladies" Wallace Stevens "Anecdote of the Jar", Denis Levertor "Scenario", "Thinking of El. Salvador" Robert Lowell "SkunkHour" Sylvia Plath "Lady Lazarus" Anne Lexton "Wanting to Die", Adrienne Rich "Snapshots of a Daughter-in- law"	04 04 05 05	18	Lecture				
	Victor Hernandez Cruz "Today is a day of great joy", Amiri Baraka "An Agony as Now" in (Four Centuries of American Literature, Ed, Mohan Ramanna, Macmillan, 1996), Gwendolyn Brooks "Kitchenette Building", Joy Harjo "Remember" (From the Language I Give You Back), Life: A Festival of Poets, Ed James Habai, Double Day, 1995.p.165-66 Prose -Emerson -The American Scholar Amy Tan-Mother Tongue, Thoreau - Walden (Chapter "Pond")	06 04 04 04			18	Black Board		
	DRAMA Arthur Miller - Death of a Salesman, Tennessee Williams - A Street Car Named Desire Marsha Norman -Night Mother, NtozakeShange - For Colored Girls.	04 04 05 05					18	Lecture
	FICTION/SHORT STORY Edgar Allan Poe - "The Cask of Amontillado" Herman Melville -"Bartle by the Scrivener", N.ScottMornaday - The House Made of Dawn Toni Morrison -Beloved , Kate Chopin -The Awakening	06 06 06 06						
V Autobiography - Excerpts from-Malcolm X, Hispanic Women Writing, Churrie Moraga - Getting Home Alive	06 06 06	18	Black Board					

Date of CIAs: As per college calendar/need based amendments.

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E. santhana bala Divya
P. MegalaSoma Lakshmi

Course Teacher

SRI SARADA COLLEGE FOR WOMEN (Autonomous)

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COURSE TEACHING/ LECTURE/ EXAM PLAN

Department	Name of the faculty/s for the course	Academic year	Class
English	1.Lt (smt) S. Chithra 2. Selvi M K. Thanusree Rukmani	2023-2024	1 M.A English
Semester	Course code	Course title	
II	23PENC23	Post Colonial Theory and Literature	

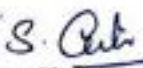
Title of the book (Text/Reference)	Author/s	Edition & Publisher
Epidemic Empire: Colonialism, Contagion And terror	Anjuli Fatima Raza Kolb	2020


Unit No	Topics	No. of hours	Proposed days/date	Remarks- Faculty/ Teaching aids
I	Fiction: Joseph Conrad -Heart of Darkness	09	18	Black board, Videos
	E.M Forster - A Passage of India	09		
II	Fiction Chinua Achebe - Things Fall Apart	06	18	Black board, Videos
	Salman Rushdie - Midnight's Children	05		
	Thomas King - The One About Coyote Going West	07		
III	Fiction Samuel Selvon - The Lonely Londoners	09	18	Videos, Black board
	Bapsi Sidhwa - Ice Candy Man	09		
IV	Poetry Arun Kolatkar - The Priest, A Low Temple	04	18	Black board
	Yeshwant Rao - An Old Woman, Scratch	04		
	A.K. Ramanujam - Returning, Death of Poem, No Fifth Man, Birthdays, Farewells	04		
	Kofi Awonoor - Easter Dawn, The Weaver Bird, Songs of Sorrow, Songs of War	06		
V	Poetry Leopold Senghor - In Memoriam, Night of Sine, All Day Long	06	18	Black board, PPT
	Grace Nicholos - In My Name, Of Course when they ask for poems about the realities of black Women, Praise Song for my mother, Carribbean Women Prayer	08		
	James Reaney - Maps	02		
	George Bowering - Grand Father	02		

Date of CIAs: As per college calendar/need based amendments.

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Course Teacher

SRI SARADA COLLEGE FOR WOMEN (Autonomous)
TIRUNELVELI 627011
COURSE TEACHING/ LECTURE/ EXAM PLAN

Department	Name of the faculty/s for the course	Academic year	Class
English	1.Selvi.M.Gokila 2.Selvi.S.Maharasi	2023-2024	I M.A English
Semester	Course code	Course title	
II	23PENE21	Approach To English language Teaching.	

Title of the book (Text/Reference)	Author/s	Edition & Publisher
Approaches and Methods in Language Teaching.	Richards, Jack C., Theodore S. Rodgers.	Cambridge University Press, 2015

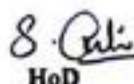
Unit No	Topics	No. of hours	Proposed days/date	Remarks- Faculty/ Teaching aids
I	A Brief history of Language Teaching The Grammar – Translation method The Direct method	05	15	Black board
	The Audio lingual method,	05		
	Language get teaching innovations in the nineteenth century	05		
II	Nature of approaches and methods in Language Teaching Definition of Approach and method	05	15	Black board
	Objectives, Syllabus, learning activities, roles of learners ,teachers and materials of the following approaches:	05		
	Oral approach and situational language teaching. The Silent Way, Community Language Learning. Suggestopedia, Competency based Language teaching	05		
III	Current Communicative Approaches The Natural Approach	05	15	Model project, Black board
	Cooperative language learning	05		
	Context based instruction, Task-based language teaching	05		
IV	Teaching Aspects Teaching Prose, Teaching Poetry	05	15	Black board
	Teaching Grammar,	05		
	Teaching of Non- Detailed Text	05		
V	Use of Media in ELT	08	15	Black board, videos, Model PPT
	The integration of elements in multi- media language learning systems BBC English by Radio and Television- about line history Using BBC English by Radio and Television in the classroom	07		

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M. Gokila

Date:


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Course Teacher

SRI SARADA COLLEGE FOR WOMEN (Autonomous)
TIRUNELVELI 627011
COURSE TEACHING/LECTURE/EXAM PLAN

Department	Name of the faculty/s for the course	Academic year	Class
ENGLISH	B.RAMALAKSHMI	2023-2024	I M A ENGLISH
Semester	Course code	Course title	
II	23PENE22	A Glimpse of Nobel Laureates	

Title of the book (Text/Reference)	Author/s	Edition & Publisher
Nine Nobel Laureates in English Literature.		Omega Publications, 2012.

Unit No	Topics	No. of hours	Proposed days/date	Remarks-Faculty/ Teaching aids
I	DETAILED POETRY Pablo Neruda If You Forget	03	15	Black board, Lecture
	A Song of Despair Ode to the Onion Your Laughter	03		
	NON-DETAILED POETRY As One Listens to the Rain - Octavio PaPz	03		
	The Street - Octavio Paz	03		
	The Power of the Dog-Rudyard Kipling	02		
	Oracle - Seamus Heaney	01		
II	DETAILED PROSE Loot - Nadine Gordimer	04	15	Black board
	Disorder and Early Sorrow -Thomas Mann He Comes	04		
	Round the Corner	04		
	NON-DETAILED PROSE Excerpts from Disgrace-J.M. Coetzee Excerpt from Sula-Toni Morrison	03		
III	DETAILED DRAMA The Caretaker - Harold Pinter	08	15	Black board/Lecture
	NON-DETAILED DRAMA Man and Superman- George Bernard Shaw	07		
IV	SHORTSTORIES Alice Munro The Turkey Season Differently Runaway	08	15	Black board
	The Bear Came Over the Mountain Boys and Girls	07		
V	NOVELS The Pearl - John Steinbeck	08	15	Black board
	One Hundred Years of Solitude-Gabriel Garcia Marquez	07		

Date of CIAs: As per college calendar/need based amendments.

Date:

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Principal

S. Ravi

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B. Rama Lakshmi

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COURSE TEACHING/LECTURE/EXAM PLAN

Department	Name of the faculty/s for the course	Academic year	Class
English	C. Davisri	2023-2024	I M.A English
Semester	Course code	Course title	
II	23PENS21	Industry Training & Expectations	

Title of the book (Text/Reference)	Author/s	Edition & Publisher
Technical Communication Principles and Practice.	Meenakshi Raman.	Oxford University Press: New Delhi, 2014.
Effective Technical Communication	M Ashraf Rizvi	2005(1) Tata McGraw- Hill: New Delhi
English Vocabulary in Use	Michael McCarthy and O'Dell Felicity	2004(1) Cambridge University press.

Unit No	Topics	No. of hours	Proposed days/date	Remarks-Faculty/ Teaching aids
I	COMMUNICATION SKILLS AND VOCABULARY: The seven Cs of effective communication- (clear, concise, concrete, correct, courteous, complete, constructive) Key language skills LSRW - effective listening/listener - effective speaking/speaker - excellent reading/reader- Skimming and Scanning - effective writing/writer/ - Effective communication/communicator.	02	6	Black Board/ lecture
	Vocabulary - synonyms-antonyms-acronyms- Word forms (prefixes& suffixes), Phrasal verbs-Compound Nouns, Homonyms; and Homophones, discourse markers (connectives & sequence words) - Collocations; Fixed / Semi fixed expressions - Cause & Effect Expressions - Content vs Function words.	02		
	Essential Basic Grammar: Tense, Parts of Speech	02		
II	FUNDAMENTALS OF COMMUNICATION: Listening - conversation: Introduction to classmates - Audio/ video (formal & informal); Telephone conversation; Listening to voicemail & messages; Listening and filling a form. Listening to the teacher - listening and placing/ordering.	02	6	Black Board/ lecture
	Speaking - Self Introduction; Introducing a friend; Conversation - politeness strategies; Reply to the teacher's question - Telephone conversation; Leave a voicemail; Leave a message with another person; asking for information to fill details in a form - telephone etiquette - convincing for getting orders - description of the product.	02		
	Reading - Reading the books/texts/scripts- brochures (industrial context), telephone messages / social media messages relevant to industries and emails. Writing - spelling dictation - sentence making - paragraph writing - Writing emails / letters - introducing oneself - writing/presentation of answers, The Memorandum and Telegraphic Communication.	02		
III	EFFECTIVE NARRATION AND PRECISE SUMMATION Listening - Listening to podcast, anecdotes / stories / event narration; documentaries and interviews with celebrities.	02	6	Black Board/ lecture
	Speaking - Narrating personal experiences / events; Interviewing a celebrity; Reporting / and summarizing of documentaries / podcasts/ interviews.	02		
	Reading - Reading biographies, travelogues, newspaper reports &, clippings, Excerpts from literature, and travel & technical blogs. Writing - Guided writing- Paragraph writing - Letter Writing (Circular Letter, Business Letter, Collection Letter, Banking Letter) Short Report on an event (field trip etc.) - Academic writing	02		
IV	ENGLISH FOR INDUSTRIAL DESCRIPTION AND PROCESS Listening - Listen to a product and process descriptions; a classroom lecture, and advertisements about a products.	02	6	Black Board/ lecture
	Speaking - Picture description; giving instruction to use the product; Presenting a product; and summarizing a lecture.	02		
	Reading - Reading advertisements, gadget reviews; user manuals. Writing - Writing definitions; instructions; and Product /Process description	02		
V	ENGLISH FOR INDUSTRIAL PROMOTION Listening - Listening to debates/ discussions; different viewpoints on an issue, and panel discussions - Listening to TED talks (Technology, Entertainment and Design) - Scientific lectures and educational videos.	01	6	Black Board/ lecture
	Speaking - Small Talk; Mini presentations and making recommendations - group discussions, Debates and Expressing opinions through Simulations & Role play.	01		
	Reading - Newspaper articles; Journal reports -and Non Verbal Communication (tables, pie charts etc.) Reading editorials; and Opinion Blogs;	02		
	Writing - Note-making / Note-taking - Writing recommendations; Transferring information from nonverbal (chart, graph etc, to verbal mode) - Essay Writing (Descriptive or narrative)	02		

Date of CIAs: As per college calendar/need based amendments.

Date:

Ramala
Principal

S. Guli
HoD

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Course Teacher

**SRI SARADA COLLEGE FOR WOMEN (Autonomous)
TIRUNELVELI 627011**

COURSE TEACHING/LECTURE/EXAM PLAN

Department	Name of the faculty/s for the course	Academic year	Class
English	Selvi. E. SanthanaBalaDivya	2023-2024	II M.A English
Semester	Course code	Course title	
IV	22PENC43	Post-Colonial Fiction and Drama	

Title of the book (Text/Reference)	Author/s	Edition & Publisher
A New World	Amit Chaudhuri	2000, Penguin Modern Classics
Oleandar Girl	Chitra Banerjee Divakaruni	2013, Penguin Modern Classics

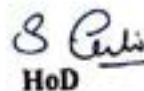
Unit No	Topics	No. of hours	Proposed days/date	Remarks- Faculty/ Teaching aids
I	1.Amit Chaudhuri (India -England) - A New World	09	18	Lecture
	2.Hand kureishi (London) - London kills Me	09		
II	Chitra Banerjee DivaKaruni (India -USA) - Oleandar Girl	09	18	PPT
	2. Lorraine Hansberry – A Raisin in the Sun	09		
III	1.Raja Rao (India)- The Serpent and the Rope	09	18	Lecture
	2. Wole Soyinka (Nigerian) - The Lion and the Jewel	09		
IV	1.Sunetra Gupta (India) - Memories of Rain	09	18	Black Board
	2.Girish Karnad (India) - Nagamandala	09		
V	1.Rohinton Mistry (Canada- India) - A Fine Balance	09	18	PPT
	2 Jack Davis (Australia) - No Sugar	09		

Date of CIAs: As per college calendar/need based amendments.

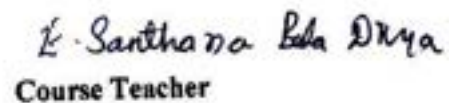
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E. Santhana Bala Divya
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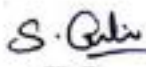
Department	Name of the faculty/s for the course	Academic year	Class
English	Lt S.Chithra, Arthi. K	2023-2024	II M.A English
Semester	Course code	Course title	
IV	22PENC44	World Literature in Translation	

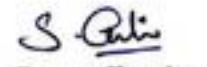
Title of the book (Text/Reference)	Author/s	Edition & Publisher
Oedipus Rex	Ramjihal	Rama Brothers Publishers
The Art of Novel	Milan Kundera	Faber & Faber Publisher

Unit No	Topics	No. of hours	Proposed days/date	Remarks- Faculty/ Teaching aids
I	Poetry 1.A.Z.Foreman (France)-Correspondences	09	18	Black Board
	2. W.S.Merwin(Chilean) - Tonight I Can Write the Saddest song	09		
II	Prose Linda Asher(Czech) - The Art of Novel	18	18	Black Board
III	Short Stories 1.DanielHuddelston(Japan)- Fin and Claw	09	18	Black Board
	2.Jeanne Tai(China)-Souls Tied to the Knots on a Leather Cord	09		
IV	Fiction M.Vijayalakshmi (India)- The Story of Sea Side Village	02	18	Black Board
	About author, popular works	06		
	Explanation about the original novel	06		
	Description about Background of the story, protagonist Theme / Story	04		
V	Drama Sophocles - Oedipus Rex Lines 1-337	06	18	Black Board & video
	Lines 337-706	03		
	Lines 707-1007			
	Lines 1008-1684	09		

Date of CIAs: As per college calendar/need based amendments.

Date: 
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SRI SARADA COLLEGE FOR WOMEN (Autonomous)
TIRUNELVELI 627011
COURSE TEACHING/LECTURE/EXAM PLAN

Department	Name of the faculty/s for the course	Academic year	Class
English	M. Gokila, D. Sathiya	2023-2024	II M.A English
Semester	Course code	Course title	
IV	22PENC42	New Literature	

Title of the book (Text/Reference)	Author/s	Edition & Publisher
An Anthology of Commonwealth Poetry	C.D. Narasimhaiah	1990 (2)
Death and the King's Horseman	Wole Soyinka,	2002 (3), Norton Press

Unit No	Topics	No. of hours	Proposed days/date	Remarks-Faculty/ Teaching aids
I	Poetry 1.Judith Wright (Australia)- The Harp and the King	06	18	Lecture
	2.Margaret Atwood(Canada) -Journey to the Interior	06		
	3.Langston Hughes (America) - I too, Sing America	06		
II	Poetry 1.Richard Blanco(America)- My Father inEnglish	06	18	Lecture
	2.Vikram Seth (India) - All You Who Sleep Tonight	06		
	3.Carol Ann Duffy (British) – Prayer	06		
III	Prose Arundhati Roy(India) – Walking with the Comrades-	06	18	Lecture
	Author Introduction	04		
	Why Roy has written this essay	04		
	Themes Background of the Tribal people	04		
IV	Fiction Chinua Achebe(Nigerian) - Arrow of God – Introduction	06	18	Black board
	Thematic Analysis	06		
	Background of the play Characterization	06		
V	Drama Wole Soyinka(Nigerian) - The Death of the King's Horsemen - Introduction	06 03	18	Black board
	Igbo culture, background of the play, characterization, plot construction	09		

Date of CIAs: As per college calendar/need based amendments.

Date:



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SRI SARADA COLLEGE FOR WOMEN (Autonomous)
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COURSE TEACHING/LECTURE/EXAM PLAN

Department	Name of the faculty/s for the course	Academic year	Class
English	A. Balambigai/ M. K. ThanusreeRukmani	2023-2024	II M.A English
Semester	Course code	Course title	
IV	22PENC41	British Prose and Poetry : Twentieth Century Literature	

Title of the book (Text/Reference)	Author/s	Edition & Publisher
An Anthology of British Poetry	Dr.P.C.James Daniel	2017 (1), Manimekala Publishing House
T. S. Eliot and the Concept of Tradition	GiovanniCianci/ Jason Hardy	2009, Cambridge University Press.

Unit No	Topics	No. of hours	Proposed days/date	Remarks-Faculty/ Teaching aids
I	Poetry 1.T.S. Eliot (America- British)- Preludes	06	18	PPT
	2.W.B. Yeats(Ireland) - Second Coming	06		
	3.Wilfred Owen(England) -Strange Meeting	06		
II	Poetry 1.Philip Larkin(United Kingdom) -Whitsun Weddings	06	18	PPT
	2.Dylan Thomas (Wales) - Do Not Go Gentle into that Good Night	06		
	3.Siegfried Sassoon(England) - Glory of Women	06		
III	Poetry 1.Robert Browning - My last Duchess	06	18	Blackboard
	2.George Herbert - The Pulley	06		
	3.Ted Hughes - Work and Play	06		
IV	Prose 1. E.M. Forster - Does Culture Matter	09	18	Black board
	2.Bertrand Russel - Can We Afford to Keep Open Minds?	09		
V	Prose 1.T.S. Eliot(American-British) -Tradition and Individual Talent	09		Black board
	2.Francis Bacon - Of Revenge	09		

Date of CIAs: As per college calendar/need based amendments.

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Thanusree Rukmani

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SRI SARADA COLLEGE FOR WOMEN (Autonomous)
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Department	Name of the faculty/s for the course	Academic year	Class
English	Smt. B.Ramalakshmi	2023 - 2024	II MA English
Semester	Course code	Course title	
IV Semester	22PENC45	English Language Teaching	

Title of the book (Text/Reference)	Author/s	Edition & Publisher
Teach English: A Training Course for Teachers	Adrian Doff	2012(1) - Tata-Mcgraw Hill Education,
Discourse Analysis for Language Teachers	Michael McCarthy	2016 (1) - Cambridge University Press
Models of Teaching	Bruce Joyce, and Marsha Well	2013 (1) - Sage Publications

Unit No	Topics	No. of hours	Proposed days/date	Remarks-Faculty/ Teaching aids
I	Major trends in English Language Teaching: 1. A brief history of early developments.	05	18	Blackboard
	2. Current status of English Language Teaching	05		
	3. Modern Trends	04		
	4. Special learning methods	04		
II	Teaching English in India: 1. English as a medium of Instruction, and as a foreign Language,	06	18	Lecture
	2. National Education Policy in Teaching of English	06		
	3. Government's aid for educating the poor	06		
III	Teaching Competency:- Approaches and Methods: 1. The Nature of Approach and Methods	05	18	Blackboard
	2. Content-Based Instruction and Content and Language Integrated Learning	05		
	3. Psychology of Learning and Teaching - Teaching Listening, Speaking, Reading, and Writing Skills	04		
	4. Teaching of English Grammar through Literature in Higher Education with ICT	04		
IV	Concepts of Testing: 1. Fundamental test	04	18	Blackboard
	2. Formative test	04		
	3. Grammar Test	05		
	4. Summative Exam	05		
V	Teacher/Faculty Induction Programme: 1. Soft Skills for Teaching practices (theory),	06	18	Blackboard
	2. Peer Enhancement for Teaching Excellence	06		
	3. Teacher/Faculty (Guru-Dakshata) Development Programme	06		

Date of CIAs: As per college calendar/need based amendments.

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Smt. B. Ramalakshmi

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SRI SARADA COLLEGE FOR WOMEN (Autonomous)
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COURSE TEACHING / LECTURE / EXAM PLAN

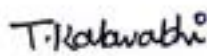
Department	Name of the faculty/s for the course	Academic year	Class
Economics	Smt .A.Shunmugapriya	2023-2024	I B.A Economics
Semester	Course code	Course title	
II	23UECC21	MICRO ECONOMICS-II	
Title of the book (Text/Reference)	Author/s	Edition & Publisher	
Micro Economic Theory	M.L.Jhingan.	Virinda Publications(p)Ltd.	
An Introduction to Micro Economics	Dr.D.Bose&Marimuthu	Himalaya Publishing House	

Unit.No	Topics	No. Of hours	Proposed days/date	Remarks Faculty/ Teaching aids
I	Meaning - Features of Perfect Competition	3	12	Blackboard, Presentation, Charts.
	Equilibrium of the firm and the industry in the Short Run	3		
	Long-Run Equilibrium in Perfect Competition	2		
	Time Element Analysis.	4		
II	Definition of Monopoly-Demand and Marginal Revenue	4	18	Blackboard, Presentation, Debate.
	Equilibrium under Monopoly	3		
	Dead Weight Loss -Policies to Control Monopoly	3		
	Price Discrimination	3		
	First Degree, Second Degree and Third-Degree Price Discrimination	3		
	Dumping	2		
III	Monopolistic Competition-Features- Product Differentiation	4	18	Blackboard, Presentation,
	Market Equilibrium and Short Run and Long Run- Barriers to Entry	4		
	Group and Industry Equilibrium- Excess Capacity -Oligopoly	3		
	Kinked Demand Curve - Collusion - Cartels and Price Leadership	3		
	Game Theory - Minimax - Maximin - Nash Equilibrium.	4		
IV	Functional and Personal Distribution	3	12	Blackboard, Presentation, Debate.
	Marginal Productivity Theory of Distribution	3		
	Product Exhaustion Theorem	3		
	Concepts of VMP and MRP	3		
V	Welfare Criteria - Adam Smith - Edgeworth -	3	15	Blackboard, Presentation,
	Pareto - Kaldor - Market Failure	4		
	Externalities - Walrasian General Equilibrium	4		
	Static Properties for Consumption, Production, and Distribution.	4		

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COURSE TEACHING / LECTURE / EXAM PLAN

Department	Name of the faculty/s for the course	Academic year	Class
Economics	Selvi.T.Miruna Devi	2023-2024	I B.A Economics
Semester	Course code	Course title	
II	23UECC22	STATISTICS FOR ECONOMICS –II	
Title of the book (Text/Reference)	Author/s	Edition & Publisher	
Statistical Methods	Gupta. S.P	Sultan Chand and Sons, New Delhi	
Statistics	R.S.N.Pillai&Mrs.Bagawathi	SultanChand&Sons, NewDelhi	

Unit.No	Topics	No.of hours	Proposed days/date	Remarks Faculty/ Teaching aids
I	Index Numbers – Methods	3	15	Blackboard, Presentation, Charts.
	Un weighted and Weighted Index Numbers	3		
	Aggregate and Relative Index Numbers – Chain and Fixed based Index Numbers	3		
	Test of Adequacy of Index Numbers – Wholesale Price Index	3		
	Consumer Price Index – Cost of Living Index.	3		
II	Definition– Components and Measurement	4	15	Blackboard, Presentation, Debate.
	Graphic Method - Methods of Semi Average	4		
	Moving Averages and Method of Least Squares	4		
	Uses of Time Series Analysis.	3		
III	key Concepts of Probability – Importance	3	15	Blackboard, Presentation,
	Theorems of Probability: Addition, Multiplication and Bayes' Theorem	2		
	Discrete and Continuous Random Variables	5		
IV	Theoretical Distributions – Binomial, Poisson and Normal – Properties- Uses and Applications.	5	15	Blackboard, Presentation, Debate.
	Sampling – Census and Sample Method	2		
	Theoretical Basis of Sampling – Methods of sampling – Random and Non –Random Sampling	5		
	Size of Sample – Merits and Limitations of Sampling	5		
V	Sampling and Non- Sampling Errors	3	15	Blackboard, Presentation,
	Hypothesis Testing – Meaning, Types, Sources and Functions of Hypothesis	5		
	Test: Null and Alternative Hypothesis – Type – I and Type – II Errors	3		
	t' Test – Paired 't'-test – Chi –Square test	2		
	F' test –Analysis of Variance.	2		
One way and Two-way ANOVA	3			

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COURSE TEACHING / LECTURE / EXAM PLAN

Department	Name of the faculty/s for the course	Academic year	Class
Economics	Dr.T.Kalavathi	2023-2024	I B.A Economics
Semester	Course code	Course title	
II	23UECE21A	History of Economic Thought	
Title of the book (Text/Reference)	Author/s	Edition & Publisher	
History of Economic Thought	V.Lokanathan	S Chand & Co Ltd.	
History of Economic Thought	H.L Bhatia	S Chand & Co Ltd.	

Unit. No	Topics	No. Of hours	Proposed days/date	Remarks Faculty/ Teaching aids
	Pre-Classical thought -Nature and Scope of Economic Thought	3		
	Mercantilism: Growth of Mercantilism- Main Principles	3		
	Important Mercantilists- Physiocracy	3		
	Main concepts - Important Physiocrats	3		
II	Adam Smith- Division of Labour	2	12	Blackboard, Presentation, Debate.
	Theory of Value- Laissez Faire	2		
	Canons of Taxation - Ricardo: Theory of Rent - Comparative Advantage	3		
	Theory of Trade- Malthus-Theory of Population -Theory of Gluts	2		
	Karl Marx-Theory of Surplus Value -Breakdown of the Capitalist System	3		
III	The Marginalist Revolution- Marshall: Value and Role of Time	3	12	Blackboard, Presentation,
	Marginal Utility and Consumer's Surplus – Distribution	3		
	Marshallian Concepts – Representative Firm, Economies of Scale, Quasi-Rent	3		
	Institutional Economics – Veblen – Mitchell –J.R.Commons	3		
IV	Keynes – Psychological law of Consumption- Effective Demand	3	12	Blackboard, Presentation, Debate.
	Theory of Employment-- Schumpeter's Theory of Innovation	2		
	Hicks theory of Trade Cycle- New Keynesian Economics	4		
	New classical Economics –Rational Expectation Hypothesis	3		
V	Nobel Laureates in Economics – Paul A Samuelson – Kuznets	3	12	Blackboard, Presentation,
	Hicks – Myrdal – Milton Friedman – Recent Nobel Laureates (Last Three Years)	3		
	Indian Economic Thought – DadshhaiNaoroji- Mahatma Gandhi-B.R. Ambedkar	3		
	AmartyaSen – Sen's Capability Approach –Poverty and Inequality	3		

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**SRI SARADA COLLEGE FOR WOMEN (Autonomous)
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COURSE TEACHING / LECTURE / EXAM PLAN

Department	Name of the faculty/s for the course	Academic year	Class
Economics	Smt .A.Shunmugapriya	2023-2024	I B.A Economics
Semester	Course code	Course title	
II	23UECSE21	COMPUTER APPLICATION IN ECONOMICS	
Title of the book (Text/Reference)	Author/s	Edition & Publisher	
Computer Applications In Business	Hem Chand Jain and H.N.Tiwari	Taxmann Publication	
Computer Applications In Economics	Dhanasekaran K	Vrinda Publication	

Unit.No	Topics	No. of hours	Proposed days/date	Remarks Faculty/ Teaching aids
I	Computer and Peripherals: Meaning, Types, Features and Limitations	1	6	Blackboard, Presentation, Charts.
	Basic Components – Input and Output Devices	1		
	Primary Memory and Secondary Storage	1		
	Computer Software- Types – Malicious Software	1		
	Operating Systems: Functions and Types	2		
II	Windows Explorer - MS Word: Basic Operations in Word	2	6	Blackboard, Presentation, Debate.
	Editing- Formatting – Text Creation of Tables and Volumes	1		
	MS Power Point Presentation- Creating, Opening and Saving Slideshow and Animations	1		
	MS Excel: Work Sheet and Work Book	1		
	Opening and Formatting.	1		
III	Data Processing Techniques using MS Excel: Concept of Data	1	6	Blackboard, Presentation,
	Record and File – Types of Data – Data Entry	2		
	File Handling and Operations-Opening	1		
	Appending and Cascading – Closing and Attribute Controls	1		
	Data Storage and Retrieval	1		
IV	Calculation Operators: Arithmetic Operators	1	6	Blackboard, Presentation, Debate.
	Comparison Operators	2		
	Logical Operations- Excel Tool Bars	2		
	Formatting of Text, Tables and Graphs	1		
V	Descriptive Statistics: Mean, Median, Mode and Standard Deviation Variance	2	6	Blackboard, Presentation,
	Index Numbers and Growth Rates - Demand Function - Supply Function,	2		
	Production Function and Consumption Function	1		
	Demand for and Supply of Money- Correlation – Regression.	1		

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SRI SARADA COLLEGE FOR WOMEN (Autonomous) TIRUNELVELI 627011 COURSE TEACHING / LECTURE / EXAM PLAN			
Department	Name of the faculty/s for the course	Academic year	Class
Economics	Selvi.S.Archanaselin	2023-2024	I B.A Economics
Semester	Course code	Course title	
II	23UECS2	ECONOMICS FOR INVESTORS	
Title of the book (Text/Reference)	Author/s	Edition & Publisher	
All about Stocks	EsmeFaerber	TataMGraw Hill, Delhi.	
The Investors Guide to Economic Fundamentals	John Calverley	Wiley	

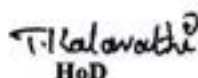
Unit.No	Topics	No.of hours	Proposed days/date	Remarks Faculty/ Teaching aids
I	Saving and Investments – Meaning – Types	2	6	Blackboard, Presentation, Charts.
	Importance – Role of Savings and Investment on the development of Individuals	1		
	Distributional Role of Investment	1		
	Income and Wealth – Equitable Distributional Role	2		
II	Traditional Investment – Cash, Deposits, Gold, Silver, Commodities Real Estates	2	6	Blackboard, Presentation, Debate.
	Modern Investment – Direct Investment – Portfolio Investment	2		
	Insurance -Mutual Funds -Traded Funds	1		
	Capital Market – Share Market – Primary and Secondary	1		
III	Bond Markets- Money Market	2	6	Blackboard, Presentation,
	Metal Market - Commodities Markets	1		
	Foreign Exchange Market - Hedging - Futures and Options	2		
	Domestic Economic Environment: Economic Growth and Development	2		
National Income – Per Capita Income, Unemployment – Taxes, Trade Cycle – Infrastructure	1			
Physical and Economic. Political and Social Environment	1			
International Economic Environment: International Economic Growth and Development, Trade, Foreign Exchange	2			
Global Recession- Oil Market – War Between Countries	1			
V	Cash Flow – Capital Gain	1	5	Blackboard, Presentation,
	Risk Rewarding	1		
	Asset Accumulation	1		
	Risk Distribution	1		
	Asset Management	1		

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SRI SARADA COLLEGE FOR WOMEN (Autonomous) TIRUNELVELI 627011 COURSE TEACHING/LECTURE/EXAM PLAN			
Department	Name of the faculty/s for the course	Academic year	Class
Economics	Dr.T.Kalavathi	2023-2024	II B.A Economics
Semester	Course code	Course title	
IV	22UECC41	Mathematical Economics	

Title of the book (Text/Reference)	Author/s	Edition & Publisher		
An Introduction to Mathematical Economics	Dr.Bose	Himalaya Mumbai.	Publishing	House
An Introduction to Business Mathematics	Wilson.M	Himalaya Mumbai.	Publishing	House,

Unit No	Topics	No. of hours	Proposed days/date	Remarks-Faculty/ Teaching aids
I	DIFFERENTIATIONANDITSAPPLICATION- Meaning	1	18	Blackboard, Presentation, Quiz.
	Rules of Differentiation	4		
	Rule of quotient-Inverse function	2		
	Exponential function	1		
	Rules of derivatives – Higher order derivative	4		
	Maxima and Minima	2		
	Application of Differentiation in Economics.	4		
II	PARTIALDERIVATIVESANDITSAPPLICATION Meaning–Rules-Euler’s Theorem	2	18	Blackboard, Presentation, Debate.
	Partial derivatives of a function of three variables	3		
	Second order and higher Partial derivatives	3		
	Revenue function and Demand Functions	4		
	Application of Partial derivatives in Economics	6		
III	INTEGRATIONANDITSAPPLICATION: Meaning- Definition – Types of Integrals	2	18	Blackboard, Powerpoint Presentation, Charts.
	Rules of integration	5		
	Definite Integrals–	2		
	Application of Integrals in economics	5		
	Consumer’s Surplus–Producer’s Surplus.	4		
IV	MATRICESANDDETERMINANTS: Meaning – Notations - Basic concepts - Order of a Matrix	2	18	Blackboard, Presentation, Charts.
	Types of Matrices	3		
	Matrix operations–Integration by Substitution	3		
	-Determinants–properties of Determinants	3		
	Inverse of a Matrix	4		
	Solving the Equations(Cramer’s rule).	3		
V	APPLICATIONSOFMATRICESININPUT– OUTPUTANALYSISANDLINEARPROGRAMMING: Input–Output Analysis–Meaning–	4	18	Blackboard, Power point Presentation, Quiz.
	Basic Concepts– assumptions	4		
	Applications of Matrices in two and three sector economy	5		
	Linear programming–Meaning – Basic concepts and notations	5		
	Graphical Solutions.			

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Department	Name of the faculty/s for the course	Academic year	Class
Economics	Selvi.S.Archana Selin	2023-2024	II B.A Economics
Semester	Course code	Course title	
IV	22UECC42	International Economic Theories and Policies	

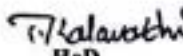
Title of the book (Text/Reference)	Author/s	Edition & Publisher
International Economics	Dr.Radha	Prasanna Publisher, Chennai
International Economics	M.L.Jhingan	Virinda Publications (P) LTD, NewDelhi.

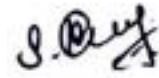
Unit No	Topics	No. of hours	Proposed days/date	Remarks-Faculty/ Teaching aids
I	THEORIES OF INTERNATIONAL TRADE: Meaning and definition of International trade	1	12	Blackboard, Presentation, Quiz.
	Adam Smith Classical Theory	3		
	David Ricardo's Comparative Cost Theory	4		
	Modern Theory.	4		
II	Meaning – Forms of State trading	1	12	Blackboard, Presentation, Debate.
	Objectives –Merits and Demerits	2		
	State trading Corporation of India	2		
	International Trade Agreements	1		
	Bilateral- Multilateral – General Agreements	3		
	GATT – WTO	3		
III	IMF–Objectives - Functions–Organizations and Structures	2	12	Blackboard, Powerpoint Presentation, Charts.
	The World Bank (IBRD) -Organization and Structure – Objectives	2		
	Functions – IBRD and India	2		
	Affiliates of World bank - IFC, IDA and ADB	3		
	G-20 – BRICKS - SAARC.	3		
IV	Meaning and Definition of Foreign Trade	1	12	Blackboard, Presentation, Charts.
	Features of foreign trade	2		
	Importance of India's Foreign trade	3		
	Volume of foreign trade.	2		
	Composition of foreign trade.	2		
	Direction of foreign trade.	2		
V	Main features of foreign trade policy	2	12	Blackboard, Powerpoint Presentation, Quiz.
	Phases of foreign trade policy	2		
	New trade policy 2000	2		
	Import restriction	3		
	Export Promotion.	3		

Date of CIAs: As per college calendar/need based amendments.

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Department	Name of the faculty/s for the course	Academic year	Class
Economics	Selvi.S.Archana Selin	2023-2024	II B.A Economics
Semester	Course code	Course title	
IV	22UECA41	Rural Economics	

Title of the book (Text/Reference)	Author/s	Edition & Publisher
Rural Development in India	Desai, Vasant	Himalaya Publications, New Delhi, 2005 (1)
Indian Economy	Dutt&Sundaram	S.Chand Publications, Delhi. 2009 (7)

Unit No	Topics	No. of hours	Proposed days/date	Remarks-Faculty/ Teaching aids
I	INTRODUCTION: Meaning of rural economics and rural development – Features – Need – Problems of rural economics –	3	9	Chalk and Talk
	Rural Poverty – causes for rural poverty – Remedial measures to rural poverty –	3		
	rural unemployment – causes for rural unemployment – Remedies for rural unemployment	3		
II	RURAL INFRASTRUCTURE Rural Housing, Health and sanitation Need – problems & remedies	3	9	Chalk and Talk
	education, Training, drinking water supply – Electricity –, rural roads, transport and communication –	3		
	Problems and remedies of rural transport system -Utilization of Local Human & Natural Resources	3		
III	RURAL ECONOMICS AND SOCIAL CHANGE Rural social Institutions – family –	1	9	Chalk and Talk and Discussion and Video
	Property, caste, class, religion, indebtedness and poverty, Village, Local Self Government,	3		
	Panchayat Raj and Community Development Programmes –	2		
	Social change in rural India	1		
	Modernization of Indian rural Society.	2		
IV	RURAL INDUSTRIALIZATION Rural industrialization – Significance - Need – Problems –	3	9	Chalk and Talk and Video
	Agro-base industries in rural economy – Agro-processing industries in rural economy –	3		
	Rural Technology – Need – effects – advantages – Role of large and small scale industries in rural economy development	3		
V	RURAL DEVELOPMENT PROGRAMME National Rural Livelihood Mission, MGNREGA, Bharat Nirman etc.- IRDP –	3	9	Chalk and Talk, PPT and Oral Quiz.
	objectives – features – importance – Agencies for rural development –	3		
	Government- Semi-Government organisation – and voluntary Agencies for rural development	3		

Date of CIAs: As per college calendar/need based amendments.

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SRI SARADA COLLEGE FOR WOMEN (Autonomous) TIRUNELVELI 627011 COURSE TEACHING/LECTURE/EXAM PLAN			
Department	Name of the faculty/s for the course	Academic year	Class
Economics	Smt.A.Shunmugapriya	2023-2024	II B.A Economics
Semester	Course code	Course title	
IV	22UECS41	Entrepreneurial Enhancement	

Title of the book (Text/Reference)	Author/s	Edition & Publisher
Entrepreneurial Development	Dr.S.S.Khanka	S.Chand&Company, NewDelhi.
Entrepreneurship Development	E.Gordon.K.Natarajan	Himalaya Publications, NewDelhi.


Unit No	Topics	No. of hours	Proposed days/date	Remarks- Faculty/ Teaching aids
I	ENTREPRENEURSHIP: Definition -Concept-Types	1	9	Chalk and Talk
	According to the type of Business, According to the use of technology, According to Motivation, According to Growth, According to the stages of development	2		
	Characteristics of an entrepreneur – Qualities	1		
	Distinction between an entrepreneur and a Manager Functions of entrepreneurs	1		
	Role of entrepreneur in Digital era- Kao's conceptual model of entrepreneurs-	2		
	Growth of Entrepreneurship in India.	2		
II	ENTREPRENEURIAL MOTIVATION: Meaning and characteristics-Importance	1	9	Chalk and Talk Debate.
	Objectives-Essentials of a successful motivational System	1		
	Problems or hurdles in motivation	1		
	The motivating factors–David McClelland's achievement motivation theory	1		
	Maslow's Need Hierarchy Theory- Role of Women Entrepreneurs-Types	2		
	Search and source of business idea-Idea Processing and selection	2		
III	Pecutial Problems – Measures to state Problems.	1	9	Chalk and Talk, PPT
	Meaning of project–Selection of project	1		
	Project classification–Quantifiable and non-quantifiable Projects	2		
	Sectoral Projects-Techno economic Projects	1		
	Financial institutions classification	1		
	Project identification –Role of project Identification	1		
IV	Project Objectives - Desk research and techno –Economic survey technique	2	9	Chalk and Talk, Oral Quiz
	Internal and external constraints –Project life cycle	1		
	The Pre Investment Phase- The Construction Phase- The Normalization Phase.	1		
	Nature and types of promoters-Step to start a small industry	1		
	Selection of the product-Selection of form of ownership-Selection of a site	1		
	Designing of Capital Structure-Acquisition of manufacturing Know-how	1		
	Preparation of a project report-PresentationofProjectreportguidelines- TechnicalCharacteristics of the product	2		
	Procedures and Formalities For Registration of small scale units - Relationship between small and Large units	1		
	Role of Small enterprises and Economics Development Incentives and subsidies available	1		
	Women Entrepreneurship–Role of Women Entrepreneur in Indian economy with reference to Self-employment development Incentives and subsidies for Women Entrepreneur.	2		
	Small Industries Development Corporation (SIDCO)in TamilNadu	1		
	National Small Industries Corporation	1		
	Industrial and technical consultancy. National Alliance of Young Entrepreneurship	1		
	Commercial Banks – New Entrepreneurial Development Agency–	1		
Directorate of Industries–Indian Investment Centre	1			
Khadi and village Industries Commission	1			
State Industries Promotion Corporation of Tami Nadu Ltd (SIPCOT)-	1			
Tamil Nadu Industrial investment Corporation Ltd (TIIC)-Objectives and features only	2			

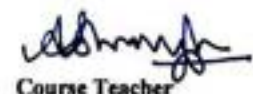
Date of CIA: As per college calendar/need based amendments.

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SRI SARADA COLLEGE FOR WOMEN (Autonomous) TIRUNELVELI 627011 COURSE TEACHING/LECTURE/EXAM PLAN			
Department	Name of the faculty/s for the course	Academic year	Class
Economics	Smt.A.Shunmugapriya	2023-2024	II B.A Economics
Semester	Course code	Course title	
IV	22UNEC4A	Issues in Indian Economy	

Title of the book (Text/Reference)	Author/s	Edition & Publisher
Indian Economy	Dr.Radha	PrasannaPublishers,Chennai
Indian Economy	A.N.Agrawal	WishwaPrakasan,NewDelhi.

Unit No	Topics	No. of hours	Proposed days/date	Remarks-Faculty/Teaching aids
I	CHARACTERISTICS OF INDIAN ECONOMY: Economic System-Features of Indian Economy	2	6	Chalk and Talk
	-Mixed Economy-Dualistic Economy-	2		
	Suggestions for economic development.	2		
II	NATIONAL INCOME: Meaning and Components of national income	1	6	Chalk and Talk
	-Circular flow of income in two sector economy -	1		
	Measurement of national income -	2		
	Problems of measurement of national income in India	2		
III	DEMOGRAPHIC ISSUES: Demographic profile of India-	1	6	Chalk and Talk
	Causes and Consequences of over population in India-	2		
	Population policy in India -	1		
	Malthusian theory of population.	2		
IV	STRUCTURAL AND DEVELOPMENT ISSUES: Poverty: Poverty in India-Causes and Consequences of poverty-	2	6	Chalk and Talk, PPT
	Unemployment: Types of Unemployment-Cause and Consequences of Unemployment in India-	3		
	Relationship between Central and State Government.	1		
V	AGRICULTURAL AND INDUSTRIAL SECTOR New Agricultural Strategy and Green Revolution - Technological changes-HYV seeds	2	6	Chalk and Talk, PPT
	Agricultural Finance - Importance of Industrialization-Problems- of Contribution problems of Industrialization in economic development	3		
	Mode of Transportation-Banking services in India.	1		

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SRI SARADA COLLEGE FOR WOMEN (Autonomous) TIRUNELVELI 627011 COURSE TEACHING/LECTURE/EXAM PLAN			
Department	Name of the faculty/s for the course	Academic year	Class
Economics	Smt.A.Shunmugapriya	2023-2024	III B.A Economics
Semester	Course code	Course title	
VI	19UECC61	Macro Economic Theories and practice	

Title of the book (Text/Reference)	Author/s	Edition & Publisher
Macro Economics	M.Maria John Kennady	Prentice-Hall of India Pvt.Ltd
Macro Economics	Cauvery	Himalaya Publishing House

Unit No	Topics	No. of hours	Proposed days/date	Remarks-Faculty/ Teaching aids
I	The Ricardian or Classical theory of distribution – Criticisms	5	15	Chalk and Talk
	Marxian theory of Income distribution	5		
	Critical evaluation – Kaldor's theory of distribution – Critical appraisal of Kaldor's theory.	5		
II	Meaning of Capital and Investment: Types of Investment	3	15	Chalk and Talk
	Induced Vs Autonomous – Determinants of Investment - Rate of Interest –	3		
	The Marginal Efficiency of Investment (MEI) – Relation between the MEC and the MEI	4		
	Factors affecting induced investment.	5		
III	Keynesian tools and concepts – Effective demand – Under employment	3	15	Chalk and Talk and Discussion and Video
	equilibrium – Inflationary gap – Liquidity preference – Multiplier	4		
	Characteristics of Keynesian Economics	3		
	Relevance of Keynesian theory in underdeveloped countries.	5		
IV	Economic ideas of Karl Marx – Characteristics of Marxian	5	15	Chalk and Talk and Video
	Economy- Comparison of Karl Marx ideas with Classical and	5		
	Modern Economists ideas	5		
V	Macroeconomic Policy: a) Monetary Policy: Instruments of monetary policy and its working	5	15	Chalk and Talk, PPT and Oral Quiz.
	- Expansionary and Restrictive monetary policy.	5		
	b) Instruments of fiscal policy and its working - Pump priming and compensatory fiscal policy.	5		

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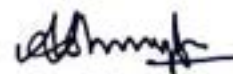
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SRI SARADA COLLEGE FOR WOMEN (Autonomous) TIRUNELVELI 627011 COURSE TEACHING/LECTURE/EXAM PLAN			
Department	Name of the faculty/s for the course	Academic year	Class
Economics	Smt.A.Shunmugapriya, Selvi S.Archana Selin	2023-2024	III B.A Economics
Semester	Course code	Course title	
VI	19UECC62	Public Finance	

Title of the book (Text/Reference)	Author/s	Edition & Publisher
Public Finance	K.P.M.Sundharam	Virinda Publications(p)Ltd.
Public Economics	M.L.Jhingan	Himalaya Publishing House

Unit No	Topics	No. of hours	Proposed days/date	Remarks-Faculty/ Teaching aids
I	NATURE AND SCOPE OF PUBLIC FINANCE: Definition, scope and subject matter of public finance	2	15	Blackboard, Presentation, Charts.
	Importance of Public finance-Distinction between Private and Public finance	3		
	Role of Public finance in developing and developed economics	2		
	Principle of Maximum Social Advantage	2		
	Concept of Public goods – Characteristics of public goods - Private goods	3		
	Merit goods – Distinction between private goods and public goods	3		
II	PUBLIC EXPENDITURE Meaning and Definition-Scope	3	15	Blackboard, Presentation, Debate.
	Public expenditure and Private expenditure	2		
	Growth of Public Expenditure-Reasons for the growth of public expenditure with special reference to India –	4		
	Types of public expenditure – Causes of public expenditure –	3		
	Effects of Developmental and Non-Developmental expenditure in India.	3		
III	PUBLIC REVENUE. Meaning and Definition -Sources	2	15	Blackboard, Presentation, Charts.
	Classification – Objectives of Taxation – Canons of Taxation –	3		
	Types of Taxation - Tax Revenue and Non-Tax Revenue –	3		
	Objectives of taxation – Direct and Indirect taxes – Characteristics of a Good Tax system.	3		
	Taxable capacity – Factors determining Taxable capacity –Shifting and Incidence of Taxation – Effects of Taxation.	4		
IV	Public Debt- Meaning and Definition - Objectives of Public Borrowing –	2	15	Blackboard, Presentation, Charts.
	Reasons for the growth of public debt – Classification -Benefits and Dangers of Public Debt	4		
	Effects – Burden –Principles of Public debt Management-	3		
	Methods of redemption of public debt	2		
	Repudiation, Refunding, Conversion, Actual Repayment-Debt burden in India.	4		
V	BUDGETING AND FINANCIAL RELATIONS BETWEEN THE CENTRE AND THE STATES Evolution and purpose of Budgeting	2	15	Blackboard, Presentation, Quiz.
	Budgetary procedure in India – Budget classification	3		
	Programme and Performance Budget – Zero base Budgeting	3		
	Financial Relations under the constitution – The Finance Commission	4		
	Recommendations of the last two Finance Commissions	3		

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SRI SARADA COLLEGE FOR WOMEN (Autonomous) TIRUNELVELI 627011 COURSE TEACHING/LECTURE/EXAM PLAN			
Department	Name of the faculty/s for the course	Academic year	Class
Economics	T.Miruna Devi	2023-2024	III B.A Economics
Semester	Course code	Course title	
VI	19UECC63	Planning and Growth	

Title of the book (Text/Reference)	Author/s	Edition & Publisher
Planning and Growth	Dr.Prabhakaran.	1982 (1) Shanthi Book House, Tirunelveli
The Economics of Development and Planning	M.L.Jhingan	2002 (35) Vrinda Publications, New Delhi.

Unit No	Topics	No. of hours	Proposed days/date	Remarks-Faculty/ Teaching aids
I	INTRODUCTION:		15	Blackboard, Presentation, Charts.
	Definition and meaning of Economic development	3		
	Distinction between economic growth and development	3		
	Characteristics of under development economy	3		
	Vicious circle of poverty	2		
	Obstacles to Growth and Development.	4		
II	PLANNING:		15	Blackboard, Presentation, Debate.
	Meaning – Objectives – Types –	3		
	Evaluation of Indian planning –	2		
	Models of economic Development-Nehru Vs Gandhi-	3		
	LPG Model of development	2		
	PURA-A Neo Gandhian Approach to Development	3		
	Five year plans achievements and failures –			
	NITI AAYOG- Economic Reforms.	2		
III	THEORIES OF DEVELOPMENT:		15	Blackboard, Presentation, Charts.
	Classical theory –Adam Smith-Ricardo	3		
	Malthus- Rostow stages of development –	3		
	Balanced growth and Unbalanced growth theory –	3		
	Big Push theory-	2		
	Critical Minimum and Maximum Effort Theory.	4		
IV	GROWTH MODELS		15	Blackboard, Presentation, Charts.
	Meaning and uses of growth models	2		
	HarrodDomar Model	3		
	Conditions of Required for Steady Growth	3		
	Domar Model of Economic Growth	3		
	Harrod- Domar Analysis-A Brief Resume-Comparison of Two Models-Wage goods models	4		
V	DEVELOPMENT ISSUES:		15	Blackboard, Presentation, Quiz.
	Case issues and against industrial and agricultural development	3		
	Technology unalive and capital intensive technology	3		
	Technology problems and remedies	3		
	Digital India- Meaning and concepts	3		
	Applications methods of Digital era.	3		

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COURSE TEACHING/LECTURE/EXAM PLAN**

Department	Name of the faculty/s for the course	Academic year	Class
Economics	Selvi.T.Miruna Devi	2023-2024	III B.A Economics
Semester	Course code	Course title	
VI	19UECC64	Labour Economics	

Title of the book (Text/Reference)	Author/s	Edition & Publisher
Labour Economics	S.R.Saxena	Virinda Publications(p)Ltd.
Labour Economics	B.P.Tyagi	2 nd , JePrakashnath& co, Meerut

Unit No	Topics	No. of hours	Proposed days/date	Remarks-Faculty/ Teaching aids
I	LABOUR AS A FACTOR OF PRODUCTION:		15	Chalk and Talk
	Meaning of Labour – Characteristics of Indian Labour	3		
	Migratory character – Causes of migration	3		
	Nature and Effects of Migration.	3		
	Labour Efficiency – Causes for labour inefficiency in India – Remedial measures for Labour Inefficiency.	3		
II	TRADE UNIONS AND INDUSTRIAL DISPUTES:		15	Chalk and Talk
	Meaning and definition- Types of Trade union	3		
	Objectives Functions importance–	2		
	Trade union in India	2		
	Industrial Disputes – Causes – Methods of Settling Industrial disputes	4		
Collective Bargaining- Objectives – Process of Collective bargaining.	4			
III	WORKERS PARTICIPATION IN MANAGEMENT AND WORKERS EDUCATION:		15	Chalk and Talk, PPT
	Works Committee – Joint Management Council	3		
	Workers participation in Management in India	3		
	Workers Education – Objectives – Functions –	3		
	Workers Education in India- Importance of workers Education in India.	3		
IV	LABOUR WELFARE:		15	Chalk and Talk, PPT
	Meaning and Scope of Labour Welfare	4		
	Objectives			
	Intramural and Extra mural Labour Welfare Measures	4		
	ILO – Aims and Functions	4		
India and ILO.	3			
V	SOCIAL SECURITY:		15	Chalk and Talk, PPT
	Meaning-Objectives –Need for Social Security	4		
	Social Security Measures in India	3		
	Social Insurance	3		
	Social Assistance	2		
Difference between social Insurance and Assistance.	3			

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COURSE TEACHING/LECTURE/EXAM PLAN

Department	Name of the faculty/s for the course	Academic year	Class
Economics	Dr.T.Kalavathi,	2023-2024	III B.A Economics
Semester	Course code	Course title	
VI	19UECC65	Economic Thinkers	

Title of the book (Text/Reference)	Author/s	Edition & Publisher
A History of Economic Thought	S. Sankaran	2010 (4)
A History of Economic Thought	V.Lokanathan	2010 (10)

Unit No	Topics	No. of hours	Proposed days/date	Remarks-Faculty/ Teaching aids
I	INTRODUCTION:		15	Blackboard, Presentation, Charts.
	Origin, Meaning and Definition – Nature and scope –	3		
	Importance of Economic Thought –	2		
	Relativist and Absolute Approaches to Economic Thought.	3		
	Adam Smith's Wealth definition – Division of Labour	4		
	Theories of Trade and Distribution.	3		
II	CLASSICAL THINKERS:		15	Blackboard, Presentation, Debate.
	Theory of Value – Capital Accumulation	2		
	Free Trade – Role of State - Stationary State	2		
	David Ricardo – Rent and Value Analysis	2		
	Interest and profit-Comparative cost-Stationary state	2		
	critical appraisal Malthus	2		
	J.B.say-J.S.Mill	1		
	Hedonism-Liberalism-Deviation from Classification	2		
	Classical Stationery State with Special reference to Mill's views.	2		
III	NEO-CLASSICAL THINKERS:		15	Blackboard, Presentation,
	Alfred Marshall: Contribution to Consumption and Production-	4		
	Internal and External Economics	3		
	Representative Firm- Quasi Rent	4		
	Pigou's Welfare Economics-Wage and Employment	4		
IV	SOCIALISTIC AND MODERN THINKERS:		15	Blackboard, Presentation.
	Utopian Socialism –Ideas of saint Simon	2		
	Robert Owen and Fourier	2		
	Collapse of Capitalism-Scientific Socialism: Materialistic Interpretation of History	2		
	Class Struggle-Labour Theory of Value	2		
	Surplus Theory of Value	1		
	Industrial Reserve Army.Keynesian Revolution	2		
	Schumpeter-Neo Keynesian Economics	2		
	-Hicks and Paul A Samuelson	2		
V	INDIAN ECONOMIC THINKERS NOBEL LAUREATES:		15	Blackboard, Quiz.
	Swami Vivekananda	2		
	Gandhi-J - C.Kumarappa-- V.K.R.V Rao	4		
	-Jawaharlal Nehru- Ranade – DadabhaiNaraji V.N. Gadgil	4		
	-AmartyaSen-Recent Contributions in Economics (Last Five Years 2015-2019)	5		

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Department	Name of the faculty/s for the course	Academic year	Class
Economics	S.ArchanaSelin	2023-2024	III B.A Economics
Semester	Course code	Course title	
VI	22UECC66	Demographic Economics	

Title of the book (Text/Reference)	Author/s	Edition & Publisher
Principles of Population Studies	Asha A. Bhende Tara Kanitkar	Himalaya Publication 2021
Changes in Population Dynamics	Ritu Malik	Sanjay Prakashan Publication 2013

Unit No	Topics	No. of hours	Proposed days/date	Remarks-Faculty/ Teaching aids
I	INTRODUCTION:		15	Blackboard, Presentation, Charts.
	Meaning and Definition of Demographic	2		
	Demographic Trends and Forecasts, Population growth, Population Size	4		
	Sex ratio – Birth rate – death rate – Infant Mortality Rate-Child Care – fertility and family dynamics – Life expectancy	3		
	Youth dependency ratio - Migration - Sources of Population Data	3		
II	POPULATION DISTRIBUTION:		15	Blackboard, Presentation, Debate.
	Measures of Population Distribution	2		
	Factors affecting Population Distribution	3		
	Urbanization Definition – Measures of Urbanization	3		
	Factors affecting Urbanization – Rural Population Distribution	3		
Economics of the elderly – Economics of the Handicapped Economics of the Minorities	4			
III	POPULATION THEORIES		15	Blackboard, Presentation,
	Malthusian Theory of Population-Assumptions-Significance-	3		
	Criticism Optimum Theory of Population	3		
	Features-Advantages and Disadvantages	3		
	Theory of Demographic Transition- Three Stages of Demographic Transition	3		
Role of Demographic Transition and Global Population	3			
IV	DEMOGRAPHIC POLICIES		15	Blackboard, Presentation.
	Introduction- Objectives of Population Policy	3		
	India's Population Policy – Fertility Influencing Policy	3		
	Family Planning Programme	3		
	Mortality influencing Policy	3		
National Population policy 2000	3			
V	WOMEN AND THE DEMOCRAPHIC ECONOMY		15	Blackboard, Quiz.
	Structure of the Female Employment in Contemporary Society	3		
	Determinants of Women's Employment	3		
	Occupational Pattern of Women in India	3		
	Contribution of Women Population to GNP in India Problems and Working Conditions of Indian Women	3		

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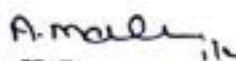
Department	Name of the faculty/s for the course	Academic year	Class
Mathematics	Dr. M. Lalitha Kumari	2021 -2022	I B.Sc Mathematics
Semester	Course Code	Course title	
II(Even)	23UMAC21	Analytical Geometry – 2D & 3D	

Title of the book (Text/Reference)	Author/s	Edition & Publisher
Co-ordinate Geometry	S. L. Loney,	Edition 6, Arihant Publication
Co-ordinate Geometry of Three Dimensions.	Robert J. T. Bell,	
Plane and Solid Analytic Geometry	William F. Osgood and William C. Graustein,	Macmillan Company, New York, 2016

Unit No	Topics	No. of hours	Proposed days/date	Remarks-Faculty/ Teaching aids
I	Pole, Polar - conjugate points and conjugate diameters	4	12	Chalk & talk
	conjugate diameters of an ellipse	4		
	semi diameters- conjugate diameters of hyperbola	4		
II	Polar coordinates: General polar equation of straight	3	12	Chalk & talk
	Polar equation of a circle given a diameter	2		
	Equation of a straight line, circle, conic	3		
	Equation of chord, tangent, normal.	3		
	Equations of the asymptotes of a hyperbola	1		
III	System of Planes	4	12	Chalk & talk
	Length of the perpendicular	4		
	Orthogonal projection	4		
IV	Representation of line, angle between a line and a plane	3	12	Chalk & talk
	co planar lines	3		
	shortest distance between two skew lines	3		
	intersection of three planes, length of the perpendicular	3		
V	Equation of a sphere, general equation	4	12	Chalk & talk
	section of a sphere by a plane, equation of the circle-	5		
	tangent plane- angle of intersection of two spheres, condition for the orthogonality, radical plane	3		

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COURSE TEACHING/LECTURE/EXAM PLAN

Department	Name of the faculty/s for the course	Academic year	Class
Mathematics	S. Gomathi Radha	2023-2024	I B.Sc., Mathematics
Semester	Course code	Course title	
II	23UMAC22	Integral Calculus	

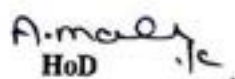
Title of the book (Text/Reference)	Author/s	Edition & Publisher
Calculus Volume II	S. Narayanan, T. K. Manicavachagan Pillay	S. Viswanathan Printers & Publishers PVT, Ltd 2012
Calculus	H. Anton, I. Birens and S.Davis	John Wiley and Sons, Inc., 2002
Integral Calculus and Differential Equations	D. Chatterjee	Tata-McGraw Hill Publishing Company Ltd.
Calculus	G.B. Thomas and R.L. Finney	Pearson Education, 2007.

Unit No	Topics	No. of hours	Proposed days/date	Remarks-Faculty/ Teaching aids
I	Reduction Formulae – Types	3	8	Chalk & Talk
	Integration of product of powers of Algebraic and Trigonometry functions	3		
	Integration of product of powers of Algebraic and Logarithmic functions	2		
	Bernoulli's formula and Feyman's technique of integration	2		
	Class Test	1		
II	Multiple Integrals – Definition of Double Integrals	2	8	Chalk & Talk
	Evaluation of Double Integrals	2		
	Double Integral in Polar coordinates	3		
	Change of order of Integration	3		
III	Triple Integrals	3	8	Chalk & Talk
	Application of Multiple Integrals	2		
	Volumes of Solids of Revolution	3		
	Areas of Curved Surfaces	2		
	Change of Variables	2		
	Jacobian	1		
	Class test	1		
IV	Beta and Gamma function	3	8	Chalk & Talk
	Infinite Integral definition	2		
	Recurrence formula of Gamma function	2		
	Properties of Beta and Gamma function	3		
	Relation between Beta and Gamma function	3		
	Application	2		
V	Geometric Application of Integral Calculus	5	8	Chalk & Talk
	Physical Application of Integral Calculus	3		
	Revision	2		

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COURSE TEACHING/LECTURE/EXAM PLAN

Department	Name of the faculty/s for the course	Academic year	Class
Mathematics	Selvi G. Ramya	2023 – 2024	I B.Sc. (Physics/Chemistry)
Semester	Course code	Course title	
II	23UPHE21/23UCHE21A	Mathematics II	

Title of the book (Text/Reference)	Author/s	Edition & Publisher
Ancillary Mathematics Volume-II	T.K. Manicavachagom Pillay and S. Narayanan, R.Hanumantha Rao	2007 & S. Viswanathan Publishers and Printers
Calculus Volume II	Narayanan .S and T.K. Manicavachagom Pillay	2004 & S. Viswanathan Publishers and Printers
Fourier Series and Trigonometry	S Arumugam and Issac	
Allied Mathematics	Dr. A. Singaravelu	2007 & Meenakshi Agency
Allied Mathematics paper-II	P. Kandasamy & K. Thilagavathy	2004 & S. Chand & Company PVT.Ltd.
Vector Calculus	R. Gupta	Laxmi Publications

Unit No	Topics	No. of hours	Proposed days/date	Remarks-Faculty/ Teaching aids
I	Differential Equations of first order but of higher degree	3	18	Chalk & Talk
	Equations solvable for p, x, y	4		
	Partial differential equations – formations – Solutions	4		
	Lagrange's Equation	4		
	Standard form $Pp + Qq = R.$	3		
II	Laplace Transformations	6	18	Chalk & Talk
	Inverse Laplace Transformation	6		
	Solution of a differential equation using Laplace Transform	6		
III	Vector differentiation	6	18	Chalk & Talk
	Gradient	6		
	Divergence and curl	6		
IV	Vector integration-	4	18	Chalk & Talk
	Line Integrals	5		
	surface Integrals	4		
	Volume Integrals	5		
V	Fourier series	6	18	Chalk & Talk
	Even and odd functions	6		
	Half range Fourier series.	6		

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SRI SARADA COLLEGE FOR WOMEN (Autonomous)
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COURSE TEACHING/LECTURE/EXAM PLAN

Department	Name of the faculty/s for the course	Academic year	Class
Mathematics	Dr. M. Lalitha Kumari	2023 -2024	I BCA
Semester	Course code	Course title	
II	23UCAE21A	Resource Management Techniques	

Title of the book (Text/Reference)	Author/s	Edition & Publisher
Operations Research	Nita H.Shah,Ravi.M.Go r	2013(1), PHI learning publications, New Delhi
Operations Research	Gupta P. K. & Hira.	2013(7), S.Chand Publications, New Delhi

Unit No	Topics	No. of hours	Proposed days/date	Remarks-Faculty/ Teaching aids
I	Introduction, origin of operations Research, Definitions of operations Research	3	12	Chalk & talk
	characteristics of operations Research, Role of operations Research in decision making, methods of solving operations research problem	3		
	phases in solving operations research problems-Typical Problems in operations Research	3		
	Scope of operations Research, Why to Study operations Research	3		
II	Introduction, Two person Zero sum Game, maximin and minimax Principles-mixed strategies	3	12	Chalk & talk
	Expected pay-off-solution of 2*2 mixed strategy game, solution Of 2*2 mixed strategy game by the method of oddments	4		
	Failure of items-Replacement of items that deteriorate	4		
	Replacement of items with increasing running cost	2		
III	Introduction, types of inventory costs involved in inventory Problems	3	12	Chalk & talk
	Notations, Economic order quantity (EOQ) model with finite Replenishment rate , EOQ mode With shortages	4		
	Order-Level, Lot-size System , Order-Level Lot-Size system with Finite Replenishment Rate	4		
	EOQ model with quantity discounts	1		
IV	Introduction-origin and use of PERT	4	12	Chalk & talk
	Origin and use of CPM-Applications of PERT and CPM	4		
	Framework of PERT and CPM- Finding the critical path	2		
	Project Evaluation and Review Technique(PERT)	2		
V	Introduction, Queuing system, classification of Queuing models	3	12	Chalk & talk
	Distribution of Arrivals (The poisson process - time-Distribution of Departures(pure death process)	4		
	Distribution of service Time -solution of Queuing -	2		
	model 1(m/m/1):-FCFS):Birth & Death model	4		

Date of CIAs: As per college calendar/need based amendments.

Date:

Ramale
Principal

A. m. a. i.
HoD

P. D. J.
Course Teacher

SRI SARADA COLLEGE FOR WOMEN (Autonomous)
TIRUNELVELI 627011
COURSE TEACHING/LECTURE/EXAM PLAN

Department	Name of the faculty/s for the course	Academic year	Class
Mathematics	S. Priyanga	2023-2024	I B.Sc., Computer Science
Semester	Course code	Course title	
II	23UCSE21A	Graph Theory and its Applications	

Title of the book (Text/Reference)	Author/s	Edition & Publisher
Graph Theory with Application to Engineering and Computer Science	Narsingh Deo	2003 & Hall of India Pvt.Ltd
Graph Theory Applications	L.R.Foulds	2016 & Springer


Unit No	Topics	No. of hours	Proposed days/date	Remarks- Faculty/ Teaching aids
I	Introduction	1	12	Chalk
	Graph Terminologies	1		
	Types of Graphs	1		
	Sub Graph	1		
	Multi Graph	1		
	Regular Graph	1		
	Isomorphism	1		
	Isomorphic Graphs	1		
	Sub-graph	1		
	Euler graph	1		
	Hamiltonian Graph	1		
	Related Theorems	5		
	II	Trees		
Properties		1		
Distance and Centers		1		
Types		1		
Rooted Tree		1		
Tree Enumeration		1		
Labeled Tree and Unlabeled Tree		1		
Spanning Tree		1		
Fundamental Circuits		1		
Cut Sets		1		
Properties		1		
Fundamental Circuit and Cut-set		1		
Connectivity		1		
Separability		1		
Related Theorems		8		
III	Network Flows	1	12	Chalk
	Planar Graph	2		
	Representation	1		
	Detection	1		
	Dual Graph	2		
	Geometric and Combinatorial Dual	1		
	Related Theorems	1		

	Digraph	4		
	Properties	1		
	Euler Digraph	2		
IV	Matrix Representation	1	12	Chalk
	Adjacency matrix	1		
	Incidence matrix	1		
	Circuit matrix	1		
	Cut-set matrix	1		
	Path Matrix	1		
	Properties	3		
	Related Theorems	1		
	Graph Coloring	2		
	Chromatic Polynomial	2		
	Chromatic Partitioning	4		
	Matching	1		
	Covering	4		
	Related Theorems			
V	Graph Algorithms	2	12	Chalk
	Connectedness and Components	1		
	Spanning Tree	1		
	Fundamental Circuits	1		
	Cut Vertices	1		
	Directed Circuits	1		
	Shortest Path	1		
	Applications overview	2		

Date of CIAs: As per college calendar/need based amendments

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Course Teacher

SRI SARADA COLLEGE FOR WOMEN (Autonomous)
TIRUNELVELI 627011
COURSE TEACHING/LECTURE/EXAM PLAN

Department	Name of the faculty/s for the course	Academic year	Class
Mathematics	Dr. M. Lalitha Kumari	2023 -2024	I BA ECO., I B. COM CS, I B.SC CS, I BCA
Semester	Course code	Course title	
II(Even)	23UMAS2	Mathematics for Competitive Examination-II	

Title of the book (Text/Reference)	Author/s	Edition & Publisher
Quantitative Aptitude	Aggarwal R.S	S.Chand & Co., Ltd., New Delhi, Edition 2011
Quantitative Aptitude for Competitive examinations	Abhijit Guha	Tata MCGraw- Hill Publishing Company Ltd, 2005
Quantitative Aptitude	S.P. Gupta & P.K. Gupta	Sultan Chand & Sons, 2007

Unit No	Topics	No. of hours	Proposed days/date	Remarks- Faculty/ Teaching aids
I	Time and Work- Examples	3	6	Chalk & talk
	Time and Work- Exercise	3		
II	Simple Interest- Examples	3	6	Chalk & talk
	Simple Interest- Exercise	3		
III	Compound Interest- Examples	3	6	Chalk & talk
	Compound Interest – Exercise	3		
IV	Problems on age- Examples	3	6	Chalk & talk
	Problems on age- Exercise	3		
V	Odd man out and series- Examples	3	6	Chalk & talk
	Odd man out and series- Exercise	3		

Date of CIAs: As per college calendar/need based amendments.

Date:


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Course Teacher

SRI SARADA COLLEGE FOR WOMEN (Autonomous)
TIRUNELVELI 627011
COURSE TEACHING/LECTURE/EXAM PLAN

Department	Name of the faculty/s for the course	Academic year	Class
Mathematics	G. Rohini Vijaya Laxmi	2023 -2024	II B.Sc., Mathematics
Semester	Course code	Course title	
IV	22UMAC41	Modern Algebra	

Title of the book (Text/Reference)	Author/s	Edition & Publisher
Modern Algebra	S.Arumugam & Isaac	2006(4) SriTech Publications Pvt. Ltd., Chennai
A Course in Abstract Algebra	Vijay.K.Khanna,S.K.Bhambri	2011(3) VIKAS Publishing House Pvt Ltd.,
Modern Algebra	SurjeetSingh, Qazi zameeruddin	2011(8) VIKAS Publishing House Pvt Ltd.,

Unit No	Topics	No. of hours	Proposed days/date	Remarks-Faculty/ Teaching aids
I	Relation and functions	2	12	Chalk & Talk
	Groups – Definition and Examples	2		
	Subgroup – order of an element	3		
	Centre of a group	3		
	Normalizer and centralizer. Product of two subgroups	4		
	Order of HK – Intersection and union of subgroups	3		
II	Class Test	1	12	Chalk & Talk
	Cyclic groups - generators of a cyclic group	4		
	Number of generators of a cyclic groups	3		
	Cosets – Partitioning of a group by Cosets	4		
	Lagrange's theorem – Euler's theorem	4		
	Fermat's theorem	2		
III	Class Test	1	13	Chalk & Talk
	Normal Subgroups : Quotient groups	3		
	Group Homomorphism	3		
	Canonical homomorphism – kernel of a homomorphism	4		
	Isomorphism – Automorphism	4		
	Inner automorphism – Permutation groups -Cayley's theorem	4		
IV	Rings: Definition and examples	2	12	Chalk & Talk
	Types of rings – Elementary properties of a ring	3		
	Integral domain – Field	3		
	Sub rings – Subfields	3		
	Ideals – Principal ideal	3		
	Quotient ring – Maximal and prime ideals	2		
	Characteristic of a ring – PID – UFDproof).	2		
V	Homomorphism of rings	3	11	Chalk & Talk
	Isomorphism – kernel of a homomorphism	4		
	Fundamental theorem	3		
	Field of quotients of an integral domain	4		
	Polynomial rings – Division algorithm	3		
	Class Test	1		

Date of CIA: As per college calendar/need based amendments.

Date:

Kamala
Principal

A. Manoj
HoD

G. Rohini
Course Teacher

SRI SARADA COLLEGE FOR WOMEN (Autonomous)
TIRUNELVELI 627011
COURSE TEACHING/LECTURE/EXAM PLAN

Department	Name of the faculty/s for the course	Academic year	Class
Mathematics	Dr. M. Lalitha Kumari	2023 -2024	I BA ECO., I B. COM CS, I B.SC CS, I BCA
Semester	Course code	Course title	
II(Even)	23UMAS2	Mathematics for Competitive Examination-II	

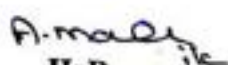
Title of the book (Text/Reference)	Author/s	Edition & Publisher
Quantitative Aptitude	Aggarwal R.S	S.Chand & Co., Ltd., New Delhi, Edition 2011
Quantitative Aptitude for Competitive examinations	Abhijit Guha	Tata McGraw- Hill Publishing Company Ltd, 2005
Quantitative Aptitude	S.P. Gupta & P.K. Gupta	Sultan Chand & Sons, 2007

Unit No	Topics	No. of hours	Proposed days/date	Remarks- Faculty/ Teaching aids
I	Time and Work- Examples	3	6	Chalk & talk
	Time and Work- Exercise	3		
II	Simple Interest- Examples	3	6	Chalk & talk
	Simple Interest- Exercise	3		
III	Compound Interest- Examples	3	6	Chalk & talk
	Compound Interest – Exercise	3		
IV	Problems on age- Examples	3	6	Chalk & talk
	Problems on age- Exercise	3		
V	Odd man out and series- Examples	3	6	Chalk & talk
	Odd man out and series- Exercise	3		

Date of CIAs: As per college calendar/need based amendments.

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Principal


HoD


Course Teacher

SRI SARADA COLLEGE FOR WOMEN (Autonomous)
TIRUNELVELI 627011
COURSE TEACHING/LECTURE/EXAM PLAN

Department	Name of the faculty/s for the course	Academic year	Class
Mathematics	S. Priyanga	2023-2024	II B.Sc., IT, II B.Sc., CS, II BCA, II B.A English
Semester	Course code	Course title	
IV	19UNMA4A	Essentials of Statistics	

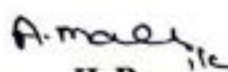
Title of the book (Text/Reference)	Author/s	Edition & Publisher
Statistics	Dr.S. Arumugam	2015(1) & New Gamma Publishing House
Fundamentals of Mathematical Statistics	S.C. Gupta & V.K. Kapoor	2002(11) & Sultan Chand & Sons

Unit No	Topics	No. of hours	Proposed days/date	Remarks- Faculty/ Teaching aids
I	Theory of attributes for two attributes(simple problems)	6	6	Chalk & Talk
II	Characteristic of index numbers Laspeyre's index number Paasche's index number	2 3 3	6	Chalk & Talk
III	Bowley's index number Marshall index number	3 3	6	Chalk & Talk
IV	Fisher's index number Time reversal test(Problems only)	3 4	6	Chalk & Talk
V	Fitting a straight line	6	6	Chalk & Talk

Date of CIAs: As per college calendar/need based amendments.

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Course Teacher

SRI SARADA COLLEGE FOR WOMEN (Autonomous)
TIRUNELVELI 627011
COURSE TEACHING/LECTURE/EXAM PLAN

Department	Name of the faculty/s for the course	Academic year	Class
Mathematics	Dr. A. Mahalakshmi	2023 – 2024	III B.Sc. Mathematics
Semester	Course code	Course title	
VI	22UMAC62	Complex Analysis	

Title of the book (Text/Reference)	Author/s	Edition & Publisher
Complex Analysis	Dr. S. Arumugam, A. Thangapandi Isaac & Dr. A. Somasundaram	Reprint 2003, Scitech Publications (India) Pvt. Ltd,
Complex Analysis	P.Duraipandian, LaxmiDuraipandian and D. Muhilan	2001(3), Emerald Publishers, Chennai –8.

Unit No	Topics	No. of hours	Proposed days/date	Remarks-Faculty/ Teaching aids
I	Functions of a complex variable, Limits and theorems on limit	4	15	Chalk & Talk
	Continuous functions and Differentiability	4		
	The CR equations – Analytic functions	4		
	Harmonic functions – Conformal mapping	3		
II	Elementary transformation , Bilinear transformations and cross ratio	6	15	Chalk & Talk
	Fixed points of bilinear transformation – Some special bilinear transformations	6		
	The mapping $\omega = z^2, \omega = z^n, \omega = e^z, w = \sin z, \omega = \cos z$	3		
III	Definite integral	4	15	Chalk & Talk
	Cauchy's theorem	4		
	Cauchy's integral formula	4		
	Higher derivatives	3		
IV	Taylor's series	4	15	Chalk & Talk
	Laurent's series	3		
	Zeros of an analytic function	3		
	Singularities	3		
	Solving Problems	2		
V	Residues	4	15	Chalk & Talk
	Cauchy's Residue theorem	4		
	Argument theorem and Rouché's theorem	2		
	Fundamental theorem of algebra	3		
	Evaluation of definite integrals	2		

Date of CIAs: As per college calendar/need based amendments

Date:

Ramale
Principal

A. Madhu
HoD

A. Madhu
Course Teacher

SRI SARADA COLLEGE FOR WOMEN (Autonomous)

TIRUNELVELI 627011

COURSE TEACHING/LECTURE/EXAM PLAN

Department	Name of the faculty/s for the course	Academic year	Class
Mathematics	S. Gomathi Radha	2023-2024	II B.Sc., Mathematics
Semester	Course code	Course title	
IV	22UMAS41	Laplace Transforms and Fourier Series	

Title of the book (Text/Reference)	Author/s	Edition & Publisher
Calculus - Volume III	S.Narayanan and T.K.Manickavasagam Pillay	Reprint 2012 & S.Viswanathan (Printers & Publishers) Pvt. Ltd., Chennai -600 031
Fourier Series and Integrals	Robert T. Seeley	Dover Publications, New York.
Trigonometry, Fourier series and Laplace transform	S.Arumugam and A.Thangapandi Isaac	New Gamma Publishing House
Differential Equations and its Applications	Narayanan .S and T.K. Manickavasagam Pillay	S. Viswanathan Printers Pvt. Ltd.

Unit No	Topics	No. of hours	Proposed days/date	Remarks-Faculty/ Teaching aids
I	The Laplace Transforms: Definitions – Sufficient conditions for the existence of the Laplace transform	2	8	Chalk & Talk
	Laplace Transforms :Results – Examples	2		
	Laplace Transform of periodic functions	2		
	Some general theorems	2		
	Evaluation of certain integrals using Laplace transform	2		
	Class Test	1		
II	Inverse Laplace Transforms: Definitions	4	8	Chalk & Talk
	Inverse Laplace Transforms :Results-Examples	4		
	the Inverse Laplace Transform of certain functions by the method of partial fractions	4		
III	Ordinary Differential Equations with constant coefficients by Laplace transform Problems	3	8	Chalk & Talk
	System of differential equations by Laplace Transform problems	3		
	Ordinary differential equations with variable coefficients by Laplace transform problems	3		
	Certain equations involving integrals by Laplace Transform problems	3		
IV	Fourier Series: Even and odd functions	4	8	Chalk & Talk
	Properties of odd and even functions	4		
	Problems	3		
	Class Test	1		
V	Half Range Fourier series Definition	2	8	Chalk & Talk
	Development in Cosine Series	3		
	Development in Sine series	3		
	Change of Interval Problems	2		
	Revision	2		

Date of CIAs: As per college calendar/need based amendments.

Date:

A. Manickavasagam Pillay
Principal

A. Manickavasagam Pillay
HoD

S. Gomathi Radha
Course Teacher

SRI SARADA COLLEGE FOR WOMEN (Autonomous)
TIRUNELVELI 627011
COURSE TEACHING/LECTURE/EXAM PLAN

Department	Name of the faculty/s for the course	Academic year	Class
Mathematics	Dr. A. Mahalakshmi	2023 – 2024	III B.Sc. Mathematics
Semester	Course code	Course title	
VI	22UMAC62	Complex Analysis	

Title of the book (Text/Reference)	Author/s	Edition & Publisher
Complex Analysis	Dr. S. Arumugam, A. Thangapandi Isaac & Dr. A. Somasundaram	Reprint 2003, Scitech Publications (India) Pvt. Ltd.
Complex Analysis	P.Duraipandian, LaxmiDuraipandian and D. Muhilan	2001(3), Emerald Publishers, Chennai –8.

Unit No	Topics	No. of hours	Proposed days/date	Remarks-Faculty/ Teaching aids
I	Functions of a complex variable, Limits and theorems on limit	4	15	Chalk & Talk
	Continuous functions and Differentiability	4		
	The CR equations – Analytic functions	4		
	Harmonic functions – Conformal mapping	3		
II	Elementary transformation , Bilinear transformations and cross ratio	6	15	Chalk & Talk
	Fixed points of bilinear transformation – Some special bilinear transformations	6		
	The mapping $\omega = z^2, \omega = z^n, \omega = e^z, \omega = \sin z, \omega = \cos z$	3		
III	Definite integral	4	15	Chalk & Talk
	Cauchy's theorem	4		
	Cauchy's integral formula	4		
	Higher derivatives	3		
IV	Taylor's series	4	15	Chalk & Talk
	Laurent's series	3		
	Zeros of an analytic function	3		
	Singularities	3		
	Solving Problems	2		
V	Residues	4	15	Chalk & Talk
	Cauchy's Residue theorem	4		
	Argument theorem and Rouché's theorem	2		
	Fundamental theorem of algebra	3		
	Evaluation of definite integrals	2		

Date of CIAs: As per college calendar/need based amendments

Date:

Kanale
Principal

Amal
HoD

A. Madu
Course Teacher

SRI SARADA COLLEGE FOR WOMEN (Autonomous)
TIRUNELVELI 627011
COURSE TEACHING/LECTURE/EXAM PLAN

Department	Name of the faculty/s for the course	Academic year	Class
Mathematics	S. Priyanga	2023-2024	III B.Sc., Mathematics
Semester	Course code	Course title	
VI	22UMAC61	Linear Algebra	

Title of the book (Text/Reference)	Author/s	Edition & Publisher
Modern Algebra	Dr.S. Arumugam A. Thangapandi Issac	Reprint 2007 & Scitech Publications
A First course in Abstract Algebra	John B. Fraleigh	2002(7) & Pearson Publications

Unit No	Topics	No. of hours	Proposed days/date	Remarks- Faculty/ Teaching aids
I	Vector Spaces	1	15	Chalk & Talk
	Definition and examples	3		
	Elementary Properties	2		
	Subspaces	4		
	Linear transformation	4		
	Fundamental theorem of homomorphism	2		
II	Span of a set	2	15	Chalk & Talk
	Linear dependence and Independence	4		
	Properties	3		
	Basis and Dimension	7		
	Well defined theorems	2		
	Finite dimensional vector spaces	4		
III	Rank and nullity theorem	1	15	Chalk & Talk
	Matrix of a linear transformation	2		
	Inner product Space	2		
	Definition and examples	1		
	Orthogonality	2		
	Orthogonal complement	4		
	Gram Schmidt orthogonalization process	3		

IV	Matrices	2	15	PPT
	Inverse of a matrix	3		
	Elementary transformation	2		
	Rank of a matrix	3		
	Characteristic equation	5		
	Cayley Hamilton theorem	5		
V	Eigen Values and Eigen Vectors	5	15	PPT
	Properties and Problems	4		
	Solving system of linear equations	4		

Date of CIAs: As per college calendar/need based amendments.

Date:

Ramale
Principal

A. m...
HoD

S. Puiyanga
Course Teacher

SRI SARADA COLLEGE FOR WOMEN (Autonomous)
TIRUNELVELI 627011
COURSE TEACHING/LECTURE/EXAM PLAN

Department	Name of the faculty/s for the course	Academic year	Class
Mathematics	Selvi G.Ramya	2023 – 2024	III B.Sc. Mathematics
Semester	Course code	Course title	
VI	23UMAC65	Statistics	

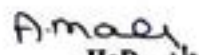
Title of the book (Text/Reference)	Author/s	Edition & Publisher
Statistics	Dr.S.Arumugam	2015(1) & New Gamma Publishing House, Palayamkottai
Fundamentals of Mathematical Statistics	Gupta .S.C and V.K. Kapoor	2000(11)& Sultan Chand & Sons, New Delhi.
Introduction to Mathematical Statistics	Robert V.Hogg, Allen T.Craig	2002(5) & Pearson, Education
Mathematical Statistics	J. N.Kapur, H. C. Saxena	2006(20) & S. Chand & Company LTD

Unit No	Topics	No. of hours	Proposed days/date	Remarks-Faculty/ Teaching aids
I	Correlation and Regression	2	15	Chalk & Talk
	Scatter Diagram	3		
	Karl Pearson's coefficient of correlation	3		
	Lines of Regression	2		
	Coefficient of Regression and properties	2		
	Rank Correlation	3		
II	Association of Attributes	2	15	Chalk & Talk
	Consistency of data	2		
	criteria for independence	2		
	Yule's coefficient of Association	3		
	Characteristics of index numbers	2		
	Laspeyre's and Paasche's-Fisher's and Bowley's-Marshall - Edgeworth's index number	2		
	Tests-Unit test-Time reversal test-Commodity reversal test	2		
III	Probability	5	15	Chalk & Talk
	Random Variables	5		
	Some special distributions	5		
IV	Large sample	3	15	Chalk & Talk
	Sampling	3		
	Definition of Hypothesis	3		
	Procedure	3		
	Test significance of large samples	3		
V	Small sample	3	15	Chalk & Talk
	Testing of hypothesis	3		
	Test based on student's t-test	3		
	F-test	3		
	Chi-square Distribution	3		

Date of CIAs: As per college calendar/need based amendments

Date:


Principal

 G.RAMYA
HoD Course Teacher

SRI SARADA COLLEGE FOR WOMEN (Autonomous)
TIRUNELVELI 627011
COURSE TEACHING/LECTURE/EXAM PLAN

Department	Name of the faculty/s for the course	Academic year	Class
Mathematics	Dr.M. Lalitha Kumari	2023-2024	III B.Sc., Mathematics
Semester	Course code	Course title	
VI(Even)	22UMAC64	Graph Theory	


Title of the book (Text/Reference)	Author/s	Edition & Publisher
Invitation to Graph Theory	Dr. S.Arumugam & S.Ramachandran	2001, Sci Tech Publications (India) Pvt. Ltd
Graph Theory	Harary	Reprint 2001, Narosa Publishing House, New Delhi
Elements of Graph Theory	S. K. Yadav	2010, Ane Books Private Ltd.,
Graph Theory	Kumaravelu .S & Susheela kumaravelu	1999(1), Raja sankar Offset Printers

Unit No	Topics	No. of hours	Proposed days/date	Remarks-Faculty/ Teaching aids
I	Introduction about Graph theory	1	15	Chalk & talk
	Definition and examples of graphs	2		
	Degrees-subgraphs	4		
	Isomorphism-independent sets and coverings	4		
	Matrices-operation on graphs	3		
II	Degree sequences-graphic sequences	4	15	Chalk & talk
	Walks-trails and paths	4		
	Connectedness and components	3		
	Connectivity	4		
III	Eulerian graphs	3	15	Chalk & talk
	Hamiltonian graphs	3		
	Characterization of trees	3		
	Centre of a tree	4		
IV	Definition and properties of planar graphs	5	15	Chalk & talk
	Chromatic number	4		
	Chromatic index	5		
V	Chromatic polynomials	5	15	Chalk & talk
	Definition and basic properties of digraphs	4		
	Paths and connectedness in digraphs	3		

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Course Teacher

SRI SARADA COLLEGE FOR WOMEN (Autonomous)
TIRUNELVELI 627011
COURSE TEACHING/LECTURE/EXAM PLAN

Department	Name of the faculty/s for the course	Academic year	Class
Mathematics	Selvi G.Ramya	2023 – 2024	III B.Sc. Mathematics
Semester	Course code	Course title	
VI	23UMAC65	Statistics	

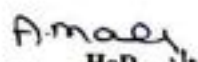
Title of the book (Text/Reference)	Author/s	Edition & Publisher
Statistics	Dr.S.Arumugam	2015(1) & New Gamma Publishing House, Palayamkottai
Fundamentals of Mathematical Statistics	Gupta .S.C and V.K. Kapoor	2000(11)& Sultan Chand & Sons, New Delhi.
Introduction to Mathematical Statistics	Robert V.Hogg, Allen T.Craig	2002(5) & Pearson, Education
Mathematical Statistics	J. N.Kapur, H. C. Saxena	2006(20) & S. Chand & Company LTD

Unit No	Topics	No. of hours	Proposed days/date	Remarks-Faculty/ Teaching aids
I	Correlation and Regression	2	15	Chalk & Talk
	Scatter Diagram	3		
	Karl Pearson's coefficient of correlation	3		
	Lines of Regression	2		
	Coefficient of Regression and properties	2		
	Rank Correlation	3		
II	Association of Attributes	2	15	Chalk & Talk
	Consistency of data	2		
	criteria for independence	2		
	Yule's coefficient of Association	3		
	Characteristics of index numbers	2		
	Laspeyre's and Paasche's-Fisher's and Bowley's-Marshall - Edgeworth's index number	2		
	Tests-Unit test-Time reversal test-Commodity reversal test	2		
III	Probability	5	15	Chalk & Talk
	Random Variables	5		
	Some special distributions	5		
IV	Large sample	3	15	Chalk & Talk
	Sampling	3		
	Definition of Hypothesis	3		
	Procedure	3		
	Test significance of large samples	3		
V	Small sample	3	15	Chalk & Talk
	Testing of hypothesis	3		
	Test based on student's t-test	3		
	F-test	3		
	Chi-square Distribution	3		

Date of CIAs: As per college calendar/need based amendments

Date:


Principal


HoD
G.RAMYA
Course Teacher

SRI SARADA COLLEGE FOR WOMEN (Autonomous)
TIRUNELVELI 627011
COURSE TEACHING/LECTURE/EXAM PLAN

Department	Name of the faculty/s for the course	Academic year	Class
Mathematics	A.Shunmugapriya	2023-2024	III B.Sc. Mathematics
Semester	Course code	Course title	
VI	19UMAC63	Number Theory	

Title of the book (Text/Reference)	Author/s	Edition & Publisher
Elementary Number Theory	David .M. Burton	2007(6), Tata McGraw Hill Education Pvt. Ltd.
Algebra Volume-II	K.Manicavachagom Pillay, T. Natarajan and K.S.Ganapathy	Reprint 2010, S.Viswanathan Publication, Chennai
Elements of Number Theory	Kumaravelu and SusheelaKumaravelu	2002(1), Raja sankar Offset Printers
An Introduction to Theory of Numbers	Ivan Niven and H. Zuckerman	2009, Wiley eastern Edition

Unit No	Topics	No. of hours	Proposed days/date	Remarks-Faculty/ Teaching aids
I	Peano's Axioms	4	15	Chalk & Talk
	Mathematical Induction	5		
	The Binomial Theorem	5		
	Early Number Theory	4		
II	Division Algorithm- GCD	6	12	Chalk & Talk
	Euclidean Algorithm	6		
	The Diophantine Equation $ax + by = c$.	6		
III	The Fundamental Theorem of Arithmetic	6	14	Chalk & Talk
	The Sieve of Eratosthenes	6		
	The Goldbach conjecture	6		
IV	Basis properties of congruences	6	15	Chalk & Talk
	Linear congruence	6		
	the Chinese Remainder Theorem	6		
V	Fermat's Theorem	6	12	Chalk & Talk
	Wilson's Theorem	6		
	The Fermat - Kraitchik Factorization Method	6		

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Course

SRI SARADA COLLEGE FOR WOMEN (Autonomous)
TIRUNELVELI 627011
COURSE TEACHING/LECTURE/EXAM PLAN

Department	Name of the faculty/s for the course	Academic year	Class
Mathematics	Dr. K. Ramalakshmi	2023-2024	III B.SC., Mathematics
Semester	Course code	Course title	
VI	22UMAE61B	Operations Research	

Title of the book (Text/Reference)	Author/s	Edition & Publisher
Operations Research	Kanti Swarup, P. K. Gupta and Manmohan	12 th edition, 2006, S chand & Sons.
Operations Research	Gupta P. K. & Hira.	S chand & copy.
Operations Research	B. J. Rangaoths and A.S.Srikandappa.	Yesdee Publishing House, Chennai.
Introduction to Operations Research	Hilties F. S. & G. J. Libesmen.	9 th edition, 2009, MC Graw Hill, Singapore.
Operations Research ,An Introduction	Hamdy A. Taha	8 th edition, 2006, Prentice Hall, India.

Unit No	Topics	No. of hours	Proposed days/date	Remarks-Faculty/ Teaching aids
I	Linear Programming problem Introduction.	2	10	Chalk & Talk
	Mathematical Formulation of LPP	2		
	Graphical Method and related numeral problems	2		
	Simplex Method	3		
	Artificial Variable Technique	2		
	Class Test	1		
II	Concept of Duality	3	6	Chalk & Talk
	Primal and dual problem	3		
	Duality	3		
	Dual simplex method	3		
III	Transportation problem	2	8	Chalk & Talk
	Matrix minima method	2		
	Vogel's approximation method	3		
	MODI method	3		
	Degeneracy and unbalanced Transportation problem	3		
IV	Assignment Problem – Hungarian Method	5	8	Chalk & Talk
	Unbalanced Assignment problem	5		
	Class Test	1		
V	Sequencing Problem-n jobs & 2 machine	3	8	Chalk & Talk
	n-jobs and 3 machines	4		
	2 jobs and m machines	4		
	Class Test	1		

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A. Ramakrishna
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A. Manoj
HoD

K. R. Lakshmi
Course

SRI SARADA COLLEGE FOR WOMEN (Autonomous)

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COURSE TEACHING/LECTURE/EXAM PLAN

Department	Name of the faculty/s for the course	Academic year	Class
Mathematics	S. Gomathi Radha	2023-2024	I M.Sc., Mathematics
Semester	Course code	Course title	
II	23PMAS21	Mathematical documentation using latex	

Title of the book (Text/Reference)	Author/s	Edition & Publisher
A Guide to Latex	Helmut kopka Patrick W. Daly	Electroni Publishing (Fourth Edition), Addition- Wesley Longman Ltd.,
LATEX in 24 hours (e-book)	Dilip Datta	Springer International Publishing., 2017
A TEX Beginner's Guide (e-book)	Stefan Kottwitz	Packt Publishing Limited.,2011(1)

Unit No	Topics	No. of hours	Proposed days/date	Remarks- Faculty/ Teaching aids
I	Introduction to Latex	3	8	Chalk & Talk
	Text-Symbols and Commands	4		
	Document Layout and Organization	4		
	Displayed Text	4		
II	Mathematical Formula	2	8	Chalk & Talk
	Graphic Inclusion	5		
	Color	4		
III	Floating tables and figures	4	8	Chalk & Talk
	User Customizations	5		
	Class Test	5		
		1		
IV	Document Management	5	8	Chalk & Talk
	Post script and pdf	4		
	Bliographic datebases and bibtex	4		
	Presentation material	4		
V	Instalization of Latex	4	8	Chalk & Talk
	Revision	5		
		1		

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S. Gomathi Radha
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SRI SARADA COLLEGE FOR WOMEN (Autonomous)

TIRUNELVELI 627011

COURSE TEACHING/LECTURE/EXAM PLAN

Department	Name of the faculty/s for the course	Academic year	Class
Mathematics	S. Gomathi Radha	2023-2024	I M.Sc., Mathematics
Semester	Course code	Course title	
II	23PMAC22	Real Analysis II	

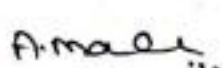
Title of the book (Text/Reference)	Author/s	Edition & Publisher
Measure Theory and Integration	G. de Barra,	Wiley Eastern Ltd., New Delhi, 1981. (for Units I and II)
Mathematical Analysis	Tom M. Apostol	2 nd Edition, Addison-Wesley Publishing Company Inc. New York, 1974. (for Units III, IV and V)

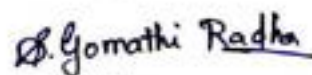
Unit No	Topics	No. of hours	Proposed days/date	Remarks-Faculty/ Teaching aids
I	Measure on the Real line : Lebesgue Outer Measure	3	15	Chalk & Talk
	Measurable sets	4		
	Regularity	3		
	Measurable Functions	4		
	Borel and Lebesgue Measurability	4		
II	Integration of Functions of a Real variable	4	15	Chalk & Talk
	Integration of Non- negative functions	3		
	The General Integral	4		
	Riemann and Lebesgue Integrals	3		
III	Fourier Series and Fourier Integrals: Introduction, Orthogonal system of functions, The theorem on best approximation	4	15	Chalk & Talk
	The Fourier series of a function relative to an orthonormal system and Properties of Fourier Coefficients	3		
	The Riesz-Fischer Theorem, The convergence and representation problems in for trigonometric series	4		
	The Riemann - Lebesgue Lemma	3		
	The Dirichlet Integrals, An integral representation for the partial sums of Fourier series	4		
	Riemann's localization theorem, Sufficient conditions for convergence of a Fourier series at a particular point	3		
	Cesaro summability of Fourier series, Consequences of Fejer's theorem and The Weierstrass approximation theorem	4		
IV	Multivariable Differential Calculus: Introduction, The Directional derivative - Directional derivative and continuity	3	15	Chalk & Talk
	The total derivative , The total derivative expressed in terms of partial derivatives	3		
	The matrix of linear function , The Jacobian matrix, The chain rule	3		
	Matrix form of chain rule, The mean - value theorem for differentiable functions	3		
	A sufficient condition for differentiability - A sufficient condition for equality of mixed partial derivatives	3		
	Taylor's theorem for functions of \mathbb{R}^n to \mathbb{R}^1	3		
V	Implicit Functions and Extremum Problems	3	15	Chalk & Talk
	Functions with non-zero Jacobian determinants	3		
	The inverse function theorem-The implicit function theorem	3		
	Extrema of real valued functions of severable variables	3		
	Extremum problems with side conditions.	3		

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SRI SARADA COLLEGE FOR WOMEN (Autonomous)
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Department	Name of the faculty/s for the course	Academic year	Class
Mathematics	Dr. M. Lalitha Kumari	2023 -2024	I M.SC
Semester	Course code	Course title	
II(Even)	23PMAE21C	Statistical Data Analysis Using R PROGRAMMING	

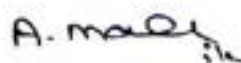
Title of the book (Text/Reference)	Author/s	Edition & Publisher
R Programming for Beginners	Sandip Rakshit	McGrawHill Education (India), 2017
Data Analytics using R	Seema Acharya	McGraw Hill Education (India), 2018
R Programming for Data Science	Peng, R.D	Leanpublishing, 2020

Unit No	Topics	No. of hours	Proposed days/date	Remarks-Faculty/ Teaching aids
I	Introduction to R programming	3	12	Chalk & talk
	Installing R and R Studio	3		
	R Studio over view working in the console	3		
	Arithmetic operators, logical operators, functions	3		
II	Data structures in R, creating variables	3	12	Chalk & talk
	numeric, character and logical data	4		
	Vectors, Data frames, factors	4		
	Sorting numeric, character, and factor vectors	1		
III	Control statements in R, loop statements	3	12	Chalk & talk
	Rpackages , installing and loading	4		
	Packages, setting up your working directory	4		
	working with missing data	1		
IV	Statistical graphs, Scatter Plots, Box Plots	3	12	Chalk & talk
	Histograms, Bar plots, pie chart	4		
	ggplot2 package to visualize data – ggthemes for customization	2		
V	Descriptive statistics in R - measures of central tendency - measures of variability	3	12	Chalk & talk
	Skewness and kurtosis, summary functions correlations	3		
	Parametric tests	2		
	Non parametric tests	4		

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SRI SARADA COLLEGE FOR WOMEN (Autonomous)
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COURSE TEACHING/LECTURE/EXAM PLAN

Department	Name of the faculty/s for the course	Academic year	Class
Mathematics	S. Priyanga	2023-2024	I M.Sc., Mathematics
Semester	Course code	Course title	
II	23PMAC21	Advanced Algebra	

Title of the book (Text/Reference)	Author/s	Edition & Publisher
Topics in Algebra (II Edition)	I.N. Herstein	1975 & Wiley Eastern Limited, New Delhi
Algebra	M. Artin	1991 & Prentice Hall of India

Unit No	Topics	No. of hours	Proposed days/date	Remarks- Faculty/ Teaching aids
I	Extension fields Transcendence of e	10 3	15	Chalk & Talk
II	Roots of Polynomials More about roots	7 7	15	Chalk & Talk
III	Elements of Galois theory	10	15	Chalk & Talk
IV	Finite fields Wedderburn's theorem on finite division rings	3 5	15	Chalk & Talk
V	Solvability by radicals A theorem of Frobenius Integral Quaternions and the Four Square theorem	4 3 6	15	Chalk & Talk

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S. Priyanga
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SRI SARADA COLLEGE FOR WOMEN (Autonomous)
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COURSE TEACHING/LECTURE/EXAM PLAN

Department	Name of the faculty/s for the course	Academic year	Class
Mathematics	Selvi G.Ramya	2023 – 2024	I M.Sc. Mathematics
Semester	Course code	Course title	
II	23PMAC23	Partial Differential Equations	

Title of the book (Text/Reference)	Author/s	Edition & Publisher
Partial Differential Equations for Scientists and Engineers	TynMyint-U and Lokenath Debnath	(Third Edition), North Hollan, New York, 1987
Second Order partial Differential Equations	M.M.Smirnov	Leningrad, 1964
Elements of Partial Differential Equations	I.N.Sneddon	McGraw Hill, New Delhi, 1983
Introduction to Partial Differential Equations and Boundary Value Problems	R. Dennemeyer	McGraw Hill, New York, 1968
Advanced Differential Equations	M.D Raisinghania	S.Chand & Company Ltd., New Delhi, 2001
Partial Differential Equations	S, Sankar Rao	2nd Edition, Prentice

Unit no	Topics	No. Of hours	Proposed days/date	Remarks-faculty/ Teaching aids
I	Classical equations	2	18	Chalk & talk
	Vibrating string	2		
	Vibrating membrane	2		
	Waves in elastic medium	1		
	Conduction of heat in solids	2		
	Gravitational potential	1		
	Second order equations in two independent variables	2		
	Canonical forms	2		
	Equations with constant coefficients	2		
	General solution	2		
II	The cauchy problem	2	18	Chalk & talk
	Cauchy kowalewsky theorem	2		
	Homogeneous wave equation	2		
	Initial boundary value problem	1		
	Non-homogeneous boundary conditions	2		
	Finite string with fixed ends	2		
	Non-homogeneous wave equation	2		
	Riemann method	1		
	Goursat problem	2		
	Spherical wave equation	1		
	Cylindrical wave equation	1		
	III	Separation of variable		
Vibrating string problem		3		

	Existence and uniqueness of solution of vibrating string problem	3		
	Heat conduction problem	3		
	Existence and uniqueness of solution of heat conduction problem	3		
	Laplace and beam equations	3		
IV	Boundary value problems	3	18	Chalk & talk
	Maximum and minimum principles	3		
	Uniqueness and continuity theorem	3		
	Dirichlet problem for a circle, a circular annulus, a rectangle	3		
	Dirichlet problem involving poisson equation	3		
	Neumann problem for a circle and a rectangle	3		
V	The delta function	3	18	Chalk & talk
	Green's function	3		
	Method of green's function	3		
	Dirichlet problem for the laplace and helmholtz operators	2		
	Method of images and eigen functions	2		
	Higher dimensional problem	2		
	Neumann problem	3		

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COURSE TEACHING/LECTURE/EXAM PLAN

Department	Name of the faculty/s for the course	Academic year	Class
Mathematics	G. Rohini Vijaya Laxmi	2023-2024	I M.Sc., Mathematics
Semester	Course code	Course title	
II	23PMAE22A	Modeling and Simulation with Excel	

Title of the book (Text/Reference)	Author/s	Edition & Publisher
Microsoft Excel Latest Version Inside Out	Mark Dodge and Craig Stinson	PHL Earning Pvt .Ltd., New Delhi
Fundamentals of MS Excel	Rajkumar S and Nagarajan G and Naveen Kumar M	Jayvee International Publications, Bangalore
Excel 2013 Bible	John Walkenbach	Wiley
Financial Analysis and Modeling using Excel and VBA	Chandan Sengupta	Wiley
Excel Data Analysis - Modeling and Simulation	Hector Guerreor	Springer
Microsoft Excel 2013: Data Analysis and Business Modeling	Winston	PHI
Excel Functions and Formulas	Bernd Held	BPB Publications

Unit No.	Topics	No. of hours	Proposed days/date	Remarks-Faculty/ Teaching aids
I	Introduction	1	15	Chalk & Talk, Laptop
	Basics of MS- Windows – Desktop, Icon, creating, saving and using of different documents and applications	4		
	MS –Office: Installing, Customizing and using different applications and tools in MS-Office package	4		
	Basics of MS-Word	3		
	Basics of MS-Power Point	3		
II	Spreadsheets basics, Need for Spreadsheets	2	15	Chalk & Talk, Laptop
	Work-book , Work-Sheets , Parts of MS-Excel Work-Sheet – Program area, Work area	2		
	Contents of Title-Bar, Menu-Bar, Menu Ribbons	2		
	Meaning of Cell- Cell address	2		
	Formula-Bar, Row Numbers, Column-Letters	2		
	Quick Access to Tool-Bar, Office Button, Floating Frames	2		
	Adding Work- Sheets in Sheet Tab	2		
	Status-Bar., and other features of Excel.	1		
III	Selecting Cell and Range of Cells, Merging of Cells, Entering and Saving Data in the Cell, Named Cells, Need of Naming Cells	2	15	Chalk & Talk, Laptop
	Entering, Storing, Copying Formula, Using different Arithmetic and logical Operators in Formula, Moving Cell with contents, Copying and Pasting of Cell and Cell Content	2		
	Freezing Cells, Editing of Cell Contents, using CellFormatting Options – Editing Cell Size (increasing Column and Row size of a cell)	2		
	Text Alignment, using Border, Comments option usage in Cell, Editing and Deleting Comments, Fill, Formatting Fonts, Text Warping, Text Rotate	2		
	Using Auto-fit to Adjust Rows and Columns Using of Short Cuts and Short-Cut Menu, Clear Contents in a Cell, Adding, Deleting and Copying Work-Sheet with in a Work-Book	2		
	Renaming a File or Work- Sheet, Inserting Multiple Work-Sheet at a time, Formatting a Work-Sheet Automatically	2		
	Sorting Textual & Numerical DATA, Sort Dates or Times, Sort by Cell Colour, Font Colour, or by icon, Sort by a custom list, Sort Rows, sort by more than column or row and other issues in sorting	3		
	Creating a Table, Changing the look of a table, Navigating in a Table,	3		
IV		3	15	Chalk & Talk, Laptop

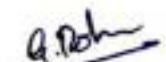
	Selecting parts of a Table, Adding, Deleting New Rows/ Columns, Moving a Table			
	Working with the Total Row, Removing Duplicate rows from a table. Sorting and Filtering a table, Converting Table into Range. Formatting tools on the Home Tab, Mini Toolbar, Foets, Text Alignment	3		
	Wrapping text to fit a cell, Colours and Shading, Borders and Lines, Miming Styles Conditional Formatting and Reporting: Format all Cells by using a Two Colour Scale, Format all Cells by using Data Bars quick formatting. Protecting, Protect a Work- Book, Un Protect Work-Book, Protect Work-Sheet Data, Unprotect Work-Sheet data	3		
	Spelling and Grammar Check, Referencing – Relative, Absolute, Mixed Referencing	3		
	Basic Functions Viz., SUM, AVERAGE, MAX, MIN, SQRT, TODAY, COUNT, COUNTIF, CHAR, AND, OR, NOT, VALUE.ROUND.	3		
V	Using Formulae to Find the roots of a Quadratic Equations, Formula of a Straight –line ($Y=MX+C$) to find the Slope of a straight line	4	15	Chalk & Talk, Laptop
	Regression Formula, EMI Formula, Formulae used in calculating Banker Discount, Bankers gain, True Discount	4		
	Net-Present Value, Sum of AP and GP	3		
	Using IFCondition, and using Multiple IF Condition in University Result Declaration.	4		

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SRI SARADA COLLEGE FOR WOMEN (Autonomous)
TIRUNELVELI 627011
COURSE TEACHING/LECTURE/EXAM PLAN

Department	Name of the faculty/s for the course	Academic year	Class
Mathematics	Dr. A. Mahalakshmi	2023 – 2024	II M.Sc. Mathematics
Semester	Course code	Course title	
IV	22PMAC41	Functional Analysis	

Title of the book (Text/Reference)	Author/s	Edition & Publisher
Introduction to Topology and Modern Analysis	G. F. Simmons	2004(2), McGraw Hill International Editions
Functional Analysis	Walter Rudin	1991(2), McGraw Hill Education(P) Ltd.

Unit No	Topics	No. of hours	Proposed days/date	Remarks-Faculty/ Teaching aids
I	Banach Spaces – The definition and some examples	4	15	Chalk & Talk
	Continuous linear transformations	4		
	The Hahn Banach Theorem	4		
	Solving Problems	3		
II	The Natural imbedding of N in N^{**}	6	15	Chalk & Talk
	The Open Mapping Theorem	6		
	Solving Problems	3		
III	The conjugate of an operator	4	15	Chalk & Talk
	Hilbert Spaces – Definition and some simple properties	4		
	Orthogonal Complements	4		
	Solving Problems	3		
IV	Orthonormal sets	4	15	Chalk & Talk
	The Conjugate Space H^*	3		
	The Adjoint of an operator	3		
	Self – Adjoint operators.	3		
	Solving Problems	2		
V	Normal and Unitary Operators	4	15	Chalk & Talk
	Projections and Finite Dimensional Spectral Theory	4		
	Determinants and the Spectrum of an Operator	2		
	The Spectral Theorem	3		
	Solving Problems	2		

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SRI SARADA COLLEGE FOR WOMEN (Autonomous)
TIRUNELVELI 627011
COURSE TEACHING/LECTURE/EXAM PLAN

Department	Name of the faculty/s for the course	Academic year	Class
Mathematics	G. Rohini Vijaya Laxmi	2023-2024	II M.Sc., Mathematics
Semester	Course code	Course title	
IV	22PMAC42	Complex Analysis	

Title of the book (Text/Reference)	Author/s	Edition & Publisher
Complex Analysis	Lars V. Ahlfors	1979(3) & Tata McGraw Hill Publishing company Pvt Ltd
The elements of Complex Analysis	B. Choudhary	1992(2) & Wiley Editions
Function of one Complex Variable I	John B. Conway	1978(2) & Springer International Student Edition
Foundations of Complex Analysis	S. Ponnusamy	2015(2) & Narosa Publishing House

Unit No.	Topics	No. of hours	Proposed days/date	Remarks-Faculty/ Teaching aids			
I	Analytic functions	4	15	Chalk & Talk			
	Polynomials	3					
	Power series	4					
	Abel's Limit Theorem	4					
	Problems	3					
II	Conformal mappings	2	15	Chalk & Talk			
	Linear transformations	2					
	Linear group	2					
	Cross ratio	3					
	Symmetry	2					
	Line Integrable	2					
	Line Integrable as functions of arc	3					
	Problems	2					
	III	Cauchy's theorem for Rectangle			3	15	Chalk & Talk
		Cauchy's theorem in a disc			3		
Cauchy's Integral formula		3					
Index of a point Definition & Theorem		3					
The integral formula		3					
Problems		3					
IV	Higher derivatives	2	15	Chalk & Talk			
	Taylor's Theorem	3					
	Zeros and Poles	3					
	The Local mapping	3					
	The maximum principle	3					
	The general statement of Cauchy's Theorem (Statement only).	2					
	Problems	2					
V	Calculus of Residues	3	15	Chalk & Talk			
	The Residue theorem	4					
	The Argument Principle	4					
	Evaluation of definite integrals	4					
	Problems	3					

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Department	Name of the faculty/s for the course	Academic year	Class
Mathematics	Dr. K. Ramalakshmi	2023 - 2024	II M.Sc. Mathematics
Semester	Course code	Course title	
IV	22PMAC43	Operations Research	

Title of the book (Text/Reference)	Author/s	Edition & Publisher
Operations Research	Hamdy A. Taha	2004(7) & Prentice Hall of India Private Limited, New Delhi
Introduction to Operations Research	Fredrick S Hiller, Gerald J. Lieberman	2017(10) & MC Graw Hill

Unit No	Topics	No. of hours	Proposed days/date	Remarks-Faculty/ Teaching aids
I	Transportation Models and its Variants:	2	15	Chalk & Talk
	Definition of the Transportation Model	4		
	Non traditional Transportation Model	4		
	Transportation Algorithm	4		
	Assignment Model	4		
II	Network Definitions and examples	4	15	Chalk & Talk
	Minimal Spanning Tree Algorithm	4		
	Shortest Route Problem	3		
	Maximum Flow Model	3		
	CPM and PERT	4		
III	Integer Linear Programming Introduction	2	15	Chalk & Talk
	Applications of Integer Linear Programming	2		
	Solving Integer Programming Problems	5		
	Algorithms	4		
	Solving Examples using algorithms	5		
IV	Basic Elements of an Inventory Model	4	15	Chalk & Talk
	Deterministic Models	4		
	Single Item Stock Model With and Without Price Breaks	3		
	Multiple Item Stock Model With Storage limitations	3		
	Probabilistic Models: Continuous Review Mode	4		
V	Basic elements of Queuing Model	4	15	Chalk & Talk
	Role of Poisson and Exponential Distributions	4		
	Pure Birth and Death Models	2		
	Specialised Poisson Queues.	4		
	Solving Problems	4		

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Department	Name of the faculty/s for the course	Academic year	Class
Mathematics	Dr. A.Shunmugapriya	2023-2024	II M.Sc., Mathematics
Semester	Course code	Course title	
IV	22PMAE41	Advanced Algebra	

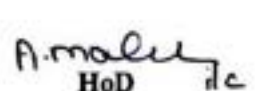
Title of the book (Text/Reference)	Author/s	Edition & Publisher
Topics in Algebra	I.N.Herstein	2005(2), Wiley Eastern Limited
A first course in rings and ideals	David M. Burton	1970(1), Addison – Wesley
A course in Abstract Algebra	Vijay K. Khanna, S.K. Bhambri	1998(2), Vikas Publishing House – New Delhi.
Fields and Rings	Kaplemsky, Irving	1972(2), University of Chicago Chicago
Commutative Algebra	N. S. Gopalakrishnan	1971(2), Prentice Hall of India

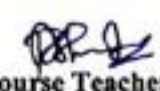
Unit No	Topics	No. of hours	Proposed days/date	Remarks- Faculty/ Teaching aids
I	Module: R-module-Examples	5	12	Chalk & Talk
	sub module-	4		
	Cyclic module	4		
	Fundamental Theorem on finitely generated modules over Euclidean rings.	5		
II	Finite Fields	9	11	Chalk & Talk
	Wedderburn Theorem on finite division rings (first proof only)	9		
III	Theorem on Frobenius	9	15	Chalk & Talk
	Integral Quaternion's and the four square theorem	9		
IV	Two classic theorem	9	14	Chalk & Talk
	Exercise Problems	9		
V	Rings with chain conditions: Theorems	16	12	Chalk & Talk
	Revision	2		

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Department	Name of the faculty/s for the course	Academic year	Class
Physics	S.Karthika	2023-2024	I B.Sc.Physics
Semester	Course code	Course title	
II	23UPHS2A	Physics of Music	

Title of the book (Text/Reference)	Author/s	Edition & Publisher
1. The Science of Musical Sound	Harvey White	2014
2. The Physics of Music	Barry Parker	2009
3. Physics and Music	Essential Connections and Illuminating Excursions	Kinko Tsuji and Stefan C. Müller(2021)

Unit No	Topics	No. of hours	Proposed days/date	Remarks- Faculty/ Teaching aids
I	SCIENTIFIC STUDY OF MUSIC: vibrations of atoms of matter- vibrations coupling to air - propagation of sound waves in air, other media, fluids and solids - velocity, frequency, wavelength, time period, intensity:	4	12	Black board & PPT
	definition and unit fs - classification of sound on frequency and velocity-	4		Black board & PPT
	human and animal sound perception- mechanism of ear and hearing - psychoacoustics	4		Black board & PPT
II	SIMPLE VIBRATING SYSTEMS: simple harmonic motion - tuning fork- amplitude, phase, energy,energy loss/damping/ dissipation -	4	12	Black board
	power - travelling waves and standing waves- laws of vibration in stretched strings- one-dimensional medium -	4		Black board
	open and closed organ pipes - over tones, harmonics - quality of sound: pitch, timber, loudness - octaves, musical notes	4		Black board
III	MUSICAL TONE: pure/simple tones - sine/cosine waves- well-defined frequencies, wavelengths, amplitudes and phases-	6	12	Black board

	partial tones - assembly of pure tones- mix of different frequencies and amplitudes- complex tone -	6		
	superposition of simple tones - complex waveform- periodic complex waveform - formants - resonances- sound envelope	6		Black board
IV	PRODUCTION OF MUSICAL SOUNDS: human voice, mechanism of vocal sound production - larynx (sound box) - <i>stringed instruments:</i> violin, piano, etc.	4	12	Black board
	<i>wind instruments:</i> flute, pipe organ, etc- <i>percussion instruments:</i> drums, xylophone etc. -	4		Black board
	<i>electronic instruments:</i> keyboards, electric guitars	4		Black board
V	RECORDING OF MUSIC and SOUND: Edison phonograph - cylinder and disk records -	4	12	Black board
	magnetic wire and tape recorders - digital recording (e.g. to CD, DVD, etc.)-	4		Black board
	analog transducers, condenser, dynamic microphones, loudspeaker.	4		Black board

Date of CIAs: As per college calendar/need based amendments.

Date:

Ramali

Principal

S. Megam Sathya Lakshmi

HoD

S. Karthika
Course Teacher

SRI SARADA COLLEGE FOR WOMEN (Autonomous)

TIRUNELVELI 627011

COURSE TEACHING/LECTURE/EXAM PLAN

Department	Name of the faculty/s for the course	Academic year	Class
Physics	M.UMA MAHESWARI K. VENI	2023-2024	I B.Sc. Physics
Semester	Course code	Course title	
II	23UPHC21	Heat, Thermodynamics and Statistical Physics	

Title of the book (Text/Reference)	Author/s	Edition & Publisher
Heat and Thermodynamics,	Brijlal & N. Subramaniam, 2000,	S.Chand & Co.
Heat	Narayanamoorthy & Krishna Rao, 1969	Triveni Publishers, Chennai.
Text book of Sound,	V.R.Khanna & R.S.Bedi, 1998 1st Edition,	Kedharnaath Publish & Co, Meerut
Heat and Thermodynamics,	.B.Rajam & C.L.Arora, 1976,	8th edition, S.Chand & Co. Ltd.

Unit No	Topics	No. of hours	Proposed days/date	Remarks- Faculty/ Teaching aids
I	CALORIMETRY: specific heat capacity – specific heat capacity of gases C P & C V – Meyer's relation	3	12	Blackboard
	– Joly's method for determination of C V – Regnault's method for determination of C P	3		Blackboard
	LOWTEMPERATUREPHYSICS: Joule-Kelvin effect – porous plug experiment – Joule-Thomson effect – Boyle temperature –	3		Blackboard
	temperature of inversion – liquefaction of gas by Linde's Process – adiabatic demagnetisation.	3		Blackboard
II	THERMODYNAMICS-I: zeroth law and first law of thermodynamics – P-V diagram – heat engine	4	12	Blackboard
	efficiency of heat engine – Carnot's engine, construction	4		Blackboard
	working and efficiency of petrol engine and diesel engines – comparison of engines.	4		Blackboard
III	THERMODYNAMICS-II: second law of thermodynamics – entropy of an ideal gas – entropy change in reversible and irreversible processes	4	12	Blackboard
	T-S diagram – thermodynamical scale of temperature – Maxwell's thermodynamical relations	4		Blackboard
	Clausius-Clapeyron's equation (first latent heat equation) – third law of thermodynamics – unattainability of absolute zero – heat death.	4		Blackboard

IV	HEAT TRANSFER: modes of heat transfer: conduction, convection and radiation. Conduction: thermal conductivity – determination of thermal conductivity of a good conductor by Forbe's method – determination of thermal conductivity of a bad conductor by Lee's disc method.	5	12	Blackboard
	Radiation: black body radiation (Ferry's method) – distribution of energy in black body radiation – Wien's law and Rayleigh Jean's law	4		Blackboard
	Planck's law of radiation – Stefan's law – deduction of Newton's law of cooling from Stefan's law.	3		Blackboard
V	STATISTICAL MECHANICS: definition of phase-space – micro and macro states – ensembles – different types of ensembles	3	12	Blackboard
	classical and quantum Statistics – Maxwell-Boltzmann statistics	3		Blackboard
	expression for distribution function – Bose-Einstein statistics –	2		Blackboard
	expression for distribution function – Fermi-Dirac statistics	2		Blackboard
	–expression for distribution function – comparison of three statistics.	2		Blackboard

Date of CIAs: As per college calendar/need based amendments.

Date:

Akamale
Principal

S. Magan Sotilakal
HoD

M. [Signature]
Course Teacher

SRI SARADA COLLEGE FOR WOMEN (Autonomous)
TIRUNELVELI 627011
COURSE TEACHING/LECTURE/EXAM PLAN

Department	Name of the faculty/s for the course	Academic year	Class
Physics	S.Karthika	2023-2024	II B.A, B.Com, BBA
Semester	Course code	Course title	
IV	22UNPH4B	SPACE PHYSICS	

Title of the book (Text/Reference)	Author/s	Edition & Publisher
1. The Physics in our Daily Lives	Umme Ammara,	Gugucool Publishing, Hyderabad, 2019
2. For the love of physics,	Walter Lawin	Free Press, New York, 2011.

Unit No	Topics	No. of hours	Proposed days/date	Remarks- Faculty/ Teaching aids
I	Universe Planets- interior planets- exterior planets- crust, mantle and core of the earth	3	6	Black board & PPT
	different region of earth's atmosphere- rotation of the earth-magnetosphere Van Allen belts-Aurora	3		
II	Comets, Meteors, Asteroids Composition and structure of comets-periodic comets	3	6	Black board & PPT
	salient features of asteroids, meteor sand its use	3		
III	Sun Structure of photosphere, chromospheres, corona- sunspots-solar flares-solar prominence	3	6	Black board & PPT
	Solar plages- satellites of planets- structure, phase sand their features of moon	3		
IV	Stars Constellations- binary stars- their origin and types star clusters	3	6	Black board & PPT
	globular clusters- types of variable stars-types of galaxies	3		
V	Origin of Universe Big bang theory- pulsating theory	3	6	Black board & PPT
	Steady state theory- composition of universe expansion	3		

Date of CIAs: As per college calendar/need based amendments.

Date:

Aramale
Principal

S. Magana Sathish
HoD

S. Karthika
Course Teacher

SRI SARADA COLLEGE FOR WOMEN (Autonomous)

TIRUNELVELI 627011

COURSE TEACHING/LECTURE/EXAM PLAN

Department	Name of the faculty/s for the course	Academic year	Class
Physics	S.Karthika K.Veni	2023-2024	I B.Sc. Maths
Semester	Course code	Course title	
II	23UMAE21A	Allied Physics II	

Title of the book (Text/Reference)	Author/s	Edition & Publisher
Allied Physics-II	Dr.T.Balu,Dr.P.Selvarajan ,etal.	S.Chand &Co
Electricityand Magnetism	R.Murugesan	S.Chand&Co
Modern physics	R.MurugesanandKiruthigasivaprasanth	S.Chand&Co
Principle of Electronics	V.K.Mehta &RohitMehta	S.Chand&Co

Unit No	Topics	No. of hours	Proposed days/date	Remarks -Faculty/ Teaching aids
I	Electricity Current and current density – Expression for current density – Ohm’s law–Resistors in series and in parallel–I-V characteristic of a resistor	4	12	Blackboard
	Color coding – Conversion of a galvanometer into an ammeter and voltmeter	4		
	Kirchoff’s laws – ApplicationofKirchoff’slawsinWheatstonenetwork–sensitivityofbridge.	4		
II	Magnetism Magnetism: Definition of magnetic induction B, Magnetic field intensity H Intensity of magnetization M	4	12	Blackboard
	Relation connecting M, B and H Magnetic permeability μ and magnetic susceptibility K– Relation between μ and K	4		
	Classification of magnetic materials-Properties of Dia, Para and ferro magnetic materials	4		
III	Electronics Junction diodes-forward and reverse bias-diode characteristics- Zener diode–I-V characteristic of a Zener diode		12	Blackboard
	Transistors-symbols, Transistor action-Transistor as an amplifier—Characteristics of a transistor(common emitter mode only).Comparison of three modes.			
	Digital Electronics: Decimal and binary numbers– binary to decimaland decimal to binary- Binary addition – Binary subtraction by 1’s and2’scomplementmethod			
	Basic logic gates OR ,AND and NOT universal NAND, NOR gates, EX-OR gate–De Morgan’s theorem.			

IV	Nuclear physics Introduction – General properties of nucleus – Nuclear size, Nuclear mass, Nuclear density, Nuclear charge, Nuclear spin & Nuclear magnetic dipole moments –	12	Blackboard
	Mass defect – Binding energy – Binding energy curve Nuclear forces – Properties – nuclear fission and nuclear fusion		
	Fundamental laws of radioactivity – Soddy Fajan's displacement law – Law of radioactive disintegration – Half-life period – The mean life.		
V	Mechanics and Relativity Projectiles – angle of projection, velocity of projection, point of projection – Time of flight –	12	Blackboard
	Range on the horizontal plane – Greatest height attained by the projectile – Path of the projectile – Range on an inclined plane		
	Relativity: Frames of references – Postulates of special theory of relativity – Galilean & Lorentz transformation equations – Length contraction – Time dilation.		

Date of CIAs: As per college calendar/need based amendments.

Date:

Ramale
Principal

S. Madan Sathya Lakshmi
HoD

S. Karthika
k. Veni
Course Teacher

SRI SARADA COLLEGE FOR WOMEN (Autonomous)

TIRUNELVELI 627011

COURSE TEACHING/LECTURE/EXAM PLAN

Department	Name of the faculty/s for the course	Academic year	Class
Physics	K.Veni	2023-2024	I B.Sc. Physics
Semester	Course code	Course title	
II	23UPHSE21	Maintenance of Electrical & Electronics Equipments	

Title of the book (Text/Reference)	Author/s	Edition & Publisher
Principles of Electronics	VK Mehta	2001 (5) S Chand & Co
Functional Electronics	V.K. Ramanan	1982(1) McGraw-Hill Inc.
Integrated electronics	K.K. Tewari	(1995) S. Chand Publishing.
Electronic principles	Halliday Rhennick Walker	(6) Willey

Unit No	Topics	No. of hours	Proposed days/date	Remarks-Faculty/Teaching aids
I	Electrical components Study of electronic components - resistors - types - characteristics - materials used for resistors - resistors general specification	4	12	Blackboard
	maximum power rating, tolerance - temperature co-efficient colour coding - wattage rating- potential divider arrangement	4		
	Capacitors-Classification of capacitors, materials used for capacitors, capacitors specification capacitor working voltage, fixed capacitor capacitive reactance	3		
	Groove board, bread board and printed circuit board	1		
II	Measuring instruments Basics of Measurements: Accuracy, Precision, resolution, reliability, repeatability, validity, Errors and their analysis, Standards of measurement.	4	12	Blackboard
	Bridge Measurement: DC bridges-wheat stone bridge, AC bridges - Kelvin, Hay, Maxwell, Schering and Wien bridges, Wagner ground Connection.	4		
	Electronic Instruments for Measuring Basic Parameters: Amplified DC meter, AC Voltmeter, True RMS responding Voltmeter, Electronic multi-meter, Digital voltmeter Vector Voltmeter.	4		
III	Classification of transducers Basic requirements/characteristics of Transducers- Classifications of transducers	4	12	Blackboard
	primary & secondary, active & passive, analog and digital transducers resistive (Potentiometer-Theory temperature compensation & applications)	5		
	Capacitive (variable air gap type) - Inductive (LVDT) & piezo electric transducers	3		

IV	Communication devices Basic concepts of radio transmitter and receiver – Different types of modulation-TV antennas-resonance antennas and their characteristics	4	12	Blackboard
	Dipole antenna- Folded dipole-Yagi antenna-Yagi antenna design Video CD player - Dish antenna - DTH system - Mobile communication system - MODEM. Telephone systems-cellular Telephone systems	5		
	FAX- mobile phone-principle of operation-integrated services-digital networks(ISDN)	3		
V	Display methods and recorders Display methods and devices – different types of recorders – galvanometric recorders – pen driving system- magnetic recorders	4	12	Blackboard
	Magnetic disk and tape - Recorders - digital recorders- Digital plotter and printers	4		
	CRT display, digital CRO, LED, LCD & dot matrix display-digital storage oscilloscope-Data Loggers.	4		

Date of CIAs: As per college calendar/need based amendments.

Date:

Ramdas

Principal

S. Magara Sotki-Salunsi

HoD

K. Veni
Course Teacher

SRI SARADA COLLEGE FOR WOMEN (Autonomous)

TIRUNELVELI 627011

COURSE TEACHING/LECTURE/EXAM PLAN

Department	Name of the faculty/s for the course	Academic year	Class
Physics	S.Karthika K.Veni	2023-2024	II B.Sc. Physics
Semester	Course code	Course title	
IV	22UPHS41	Testing and Practical use of Electronic Components	

Title of the book (Text/Reference)	Author/s	Edition & Publisher
Electronic principles	Malvino	McGrawHills
Integrated Electronics	Millman and Halkies	Tata McGraw-Hill Education
Operational amplifier	Gyakwar	Pearson Education India
Electronic communications system	George Kennedy	McGraw Hill Education

Unit No	Topics	No. of hours	Proposed days/date	Remarks- Faculty/ Teaching aids
I	Multimeter Practical use of Multimeter (measurement of voltage, current, resistance)	2	6	Blackboard
	Ground, virtual ground AC ground power supply, concept of constant voltage source.	2		
	Oscilloscope (voltage and frequency measurement)- AC/DC coupling, triggering, XY model figures.	2		
II	Electronic components Study of Electronic Components-Resistor-color coding, wattage rating,	2	6	Blackboard
	Potential divider arrangement, capacitance types, working voltage.	2		
	Transistor as a switch- Clipping-clamping.	2		
III	Testing of electronic components Testing of electronic components: Diode, zenor, transistor	3	6	Blackboard
	FET, Opamp, timer 555, gates 7400, 7402, 7404, 7408, 7432 Regulators 7805, 7809, 7909.	3		
IV	Amplifier Construction on regulated power supply using series regulator or IC.	3	6	Blackboard
	Designing voltage amplifier. Trouble shooting an audio amplifier.	3		

V	Inverter Inverter - charging from mains, charging from mains or solar panel	3	6	Blackboard
	TV panels, CRT LCD, Plasma, LED	3		

Date of CIAs: As per college calendar/need based amendments.

Date:

Ramale
Principal

S. Magasa Sathilakshmi
HoD

K. Veni
Course Teacher

SRI SARADA COLLEGE FOR WOMEN (Autonomous)

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COURSE TEACHING/LECTURE/EXAM PLAN

Department	Name of the faculty/s for the course	Academic year	Class
Physics	M.UMA MAHESWARI K. VENI	2023-2024	II B.Sc. Chemistry
Semester	Course code	Course title	
IV	22UPHA42	Allied Physics-II (for chemistry)	

Title of the book (Text/Reference)	Author/s	Edition & Publisher
Allied Physics- II	Dr. T. Balu, Dr. P. Selvarajan , et.al.	Nov 2019 (2), S.Chand & Co
Electricity and Magnetism	R. Murugesan	2011 (5), S.Chand & Co
Modern physics	R. Murugesan and Kiruthiga sivaprasanth	2010 (7), S.Chand & Co
Principle of Electronics	V.K.Mehta & Rohit Mehta	2014 (Revised), S.Chand & Co

Unit No	Topics	No. of hours	Proposed days/date	Remarks- Faculty/ Teaching aids
I	Electricity Current and current density – Expression for current density – Ohm's law –	4	12	Black board
	Resistors in series and in parallel – I-V characteristic of a resistor – Color coding – Conversion of a galvanometer into an ammeter and voltmeter –	4		Black board
	Kirchoff's laws – Application of Kirchoff's laws in Wheatstone network – sensitiveness of bridge.	4		Black board
II	Magnetism Magnetism: Definition of magnetic induction B, Magnetic field intensity H, Intensity of magnetization M –	4	12	Black board
	Relation connecting M, B and H – Magnetic permeability μ and magnetic susceptibility	4		Black board
	K – Relation between μ and K – classification of magnetic materials- Properties of Dia, Para and ferro magnetic materials	4		Black board
III	Electronics Junction diodes-forward and reverse bias-diode characteristics- Zener diode – I -V characteristic of a Zener diode – Transistors-symbols, Transistor action- Transistor as an amplifier Characteristics of a transistor (common emitter mode only).	4	12	Black board
	Comparison of three modes. Digital Electronics: Decimal and binary numbers binary to decimal and decimal to binary- Binary addition –	4		Black board

	Binary subtraction by 1's and 2's complement method - Basic logic gates OR, AND and NOT universal NAND, NOR gates, EX-OR gate- De Morgan's theorem.	4		Black board
IV	Nuclear physics Introduction - General properties of nucleus - Nuclear size, Nuclear mass, Nuclear density, Nuclear charge, Nuclear spin & amp;	4	12	Black board
	Nuclear magnetic dipole moments - Mass defect - Binding energy - Binding energy curve - Nuclear forces - Properties - nuclear fission and nuclear fusion-	4		Black board
	Fundamental laws of radioactivity - Soddy Fajan's displacement law - Law of radioactive disintegration - Half life period - The mean life.	4		Black board
V	Mechanics and Relativity Projectiles - angle of projection, velocity of projection, point of projection-	3	12	Black board
	Time of flight - Range on the horizontal plane - Greatest height attained by the projectile	3		Black board
	Path of the projectile- Range on an inclined plane - Relativity: Frames of references -	2		Black board
	Postulates of special theory of relativity - Galilean & amp; Lorentz transformation equations -	2		Black board
	Length contraction - Time dilation.	2		Black board

Date of CIAs: As per college calendar/need based amendments.

Date:

Ramale
Principal

S. Nagaraj
HoD

M. Venkatesh
Course Teacher

SRI SARADA COLLEGE FOR WOMEN (Autonomous)

TIRUNELVELI 627011

COURSE TEACHING/LECTURE/EXAM PLAN

Department	Name of the faculty/s for the course	Academic year	Class
Physics	S.Karthika K.Veni	2023-24	II B.Sc. Physics
Semester	Course code	Course title	
IV	22UPHC41	Electromagnetism	

Title of the book (Text/Reference)	Author/s	Edition & Publisher
Electricity and Magnetism	R. Murugesan	8 th edition S. Chand & Co
Electricity and Magnetism	D. C. Tayal	12 th Himalaya Publishing Co
Electricity and Magnetism	D.N.Vasudeva	1998 (10 revised) S. Chand & Co
Electricity and Magnetism	K.K. Tiwari	1987 (1) S. Chand & Co

Unit No	Topics	No. of hours	Proposed days/date	Remarks-Faculty/Teaching aids
I	Electromagnetic induction Faraday's laws of electromagnetic induction	2	12	Chalk & Talk
	Lenz's laws-Integral and differential forms of Faraday's law- Mutual and Self Inductance - L of single coil, M of two coils	3		
	self-induction-self-inductance of along solenoid -toroidal solenoid-determination of L by Anderson's and Rayleigh's methods-	3		
	Owen's bridge-mutual induction-experimental determination of mutual inductance between a pair of coils using BG	2		
	Coefficient of coupling-energy stored in a coil-eddy currents-uses	2		
II	Magnetic effect of electric current Magnetic flux and magnetic induction- relation between them	2	12	Chalk & Talk
	Biot Savart law and its application to simple systems viz., long straight wire carrying steady current Circular loop carrying steady current	1 2		
	Magnetic induction at a point on the axis of a circular coil carrying current- amperes circuital law-magnetic field in idea long solenoid -toroid-	2		
	Lorentz's force on a moving charge-direction of force-torque on a current loop in a uniform magnetic field	2		
	Helmholtz Galvanometer Theory of moving coil Ballistic Galvanometer-Damping correction-	2		
	Moving coil Ballistic galvanometer-theory-Desauty bridge.	1		
	Magnetic fields and Maxwell's equation The three magnetic vectors M, B, and H -relation between them permeability and susceptibility-relation between them-B-H curve	3		
Hysteresis Energy loss Equation of continuity- Displacement current-Maxwell's equations-Boundary conditions	3			
Maxwell's equations in material media, plane electromagnetic waves in free space Poynting vector	3			
Electromagnetic waves in free space-Hertz experiment for production and detection of EM waves.	3			

IV	Electromagnetic waves Types of EM waves-velocity of light-electromagnetic wave propagation through vacuum and isotropic dielectric medium	4	12	Chalk & Talk
	Wave equations for Electric field and Magnetic field-monochromatic plane waves- transverse nature of EM waves, polarization-EM waves in matter	4		
	Reflection and Transmission at normal incidence and oblique incidence- Polarization by reflection- Wave equation for EM wave in free space.	4		
V	Applications of electromagnetism Earth inductor-uses of earth inductor measurement of horizontal component of the earth's magnetic field	4	12	Chalk & Talk
	Measurement of vertical component of earth's magnetic field-calibration of B.G	4		
	Measurement of intense magnetic field using search coil and BG-induction coil and its uses.	4		

Date of CIAs: As per college calendar/need based amendments.

Date:

Harsh
Principal

P. Nagarathakrishnan
HoD

S. Senthika.
K. Vani
Course Teacher

SRI SARADA COLLEGE FOR WOMEN (Autonomous)

TIRUNELVELI 627011

COURSE TEACHING/LECTURE/EXAM PLAN

Department	Name of the faculty/s for the course	Academic year	Class
Physics	1. Dr. S. Bagavathi 2. S.Karthika	2023-2024	III UG
Semester	Course code	Course title	
VI	22UPHC62	Quantum Mechanics	

Title of the book (Text/Reference)	Author/s	Edition & Publisher
Element of Quantum Mechanics	Kamal Singh & SP Singh	S. Chand & Co. 2012 (5)
Quantum Mechanics	Mathews P.M. and Venkatesh. K	Tata McGraw PHill Ltd, 2010 (2)
Quantum Mechanics	G. Aruldhas	PHI Pvt Ltd, 2009 (2)
Quantum Mechanics	G.S. Chaddha	New Age International Publishers, 2009 (6)

Unit No	Topics	No. of hours	Proposed days/date	Remarks- Faculty/ Teaching aids
I	Origin of Quantum Theory Black body radiation – Theoretical laws of Black Body radiation – Planck’s Quantum hypothesis	4	12	Chalk & Talk & PPT
	Photoelectric effect - Einstein’s theory of Photo electric effect - Compton effect	4		
	The Ritz Combination Principle in spectra-Einstein’s quantum theory of specific heat – Quantum states of energy.	4		
II	Wave Properties of Matter Wave particle duality–Phase and Group Velocity– Analytical expression for a Group of waves	4	12	Chalk & Talk & PPT
	– De Broglie Hypothesis for matter waves- Derivation of De Broglie relation - Phase velocity of De Broglie Waves	4		
	Relation between De Broglie wave and Phase velocity – Davison and Germer’s experiment on electron diffraction – Diffraction of Atoms and Molecules	4		
III	Heisenberg Uncertainty Principle Uncertainty Principle – Elementary Proof of Heisenberg’s Uncertainty Relation -	4	12	Chalk & Talk & PPT
	Elementary Proof of Heisenberg’s Uncertainty Relation between Energy and Time	4		
	Illustration of Heisenberg’s Uncertainty Principle by Thought Experiments – Consequences of the Uncertainty Relation	4		

IV	Schrodinger's Wave Equation Basic postulates of Quantum mechanics - Schrodinger's one and Three Dimensional Time-dependent and Time independent wave equation	4	12	Chalk & Talk & PPT
	Physical interpretation of the Wave function ψ - Operators in Quantum mechanics, Eigen Function			
	Eigen value and Eigen value Equation - Expectation Values - Ehrenfest's Theorem - Transition Probability.	4		
V	Applications of Quantum Mechanics: Square well potential - free states - Particle in a One-Dimensional Box -	4	12	Block Board & Screen Shared
	Particle in a Rectangular Three- Dimensional Box - Simple Harmonic Oscillator - Reflection at a Step Potential	4		
	Transmission across a Potential Barrier: the tunnel Effect - Particle in 1 D square well potential of finite Depth.	4		

Date of CIAs: As per college calendar/need based amendments.

Date:

Ramale
Principal

S. Magam Sathya Lakshmi
HoD

[Signature]
Course Teacher

SRI SARADA COLLEGE FOR WOMEN (Autonomous)

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COURSE TEACHING/LECTURE/EXAM PLAN

Department	Name of the faculty/s for the course	Academic year	Class
Physics	K.Veni	2023-2024	III B.Sc. Physics
Semester	Course code	Course title	
VI	21UPHC63	Nuclear Physics	

Title of the book (Text/Reference)	Author/s	Edition & Publisher
Modern Physics	R.murugesan	S.Chand&Co
Modern Physics	Seghal Chopra &Seghal	1998 ,Sultan chand
Perspective of Modern Physics	ArtherBeiser	Tata-Mc Graw Hill Publishing Company
Atomic and Nucleur Physics	Shatendra Sharma	Pearson Publications

Unit No	Topics	No. of hours	Proposed days/date	Remarks- Faculty/ Teaching aids
I	Atomic nucleus General properties of the nucleus- binding energy mass defect -packing fraction— BE/A curve and its significance	4	12	Blackboard
	Nuclear forces—characteristics—Meson theory of nuclear forces —Nuclear model	4		
	Liquid drop model —Binding Energy formulae— Shell Model —magic numbers	4		
II	Radio activity Natural radio activity —alpha, beta and gamma rays-properties- radioactive series-laws of radioactive disintegration-half life period —mean life period	4	12	Blackboard
	Radio carbon dating-law of successive disintegration—range of α particle — Geiger Nuttal law- α decay-theory	4		
	β - decay-neutrino theory of β decay-neutrino and its properties-electron capture- γ decay-nuclear isomers-Mossbauereffect-applications-radio isotopes-uses	4		
III	Nuclear reactions Kinematics of nuclear reaction-conservation of momentum - Q- value of nuclear reaction-compound nucleus- nuclear energy level	4	12	Blackboard
	Nuclear fission — energy released in fission. Nuclear reactor-uses - Nuclear fusion —Thermo nuclear reactions-controlled thermo nuclear reaction	4		
	Principle and action of atombomb-hydrogen bomb-fusion reactor-plasma confinement	4		

IV	Nuclear detectors and particle accelerators Detectors-G.M. Counter-scintillation counter	4	12	Blackboard
	bubble chamber- Wilson cloud chamber	4		
	Accelerators cyclotron-synchrocyclotron-betatron- Synchrotrons	4		
V	Cosmic rays and elementary particles Cosmic rays-introduction-discovery-latitude, altitude and azimuth effects-longitudinal effect-north -south effect-seasonal and diurnal changes-	4	12	Blackboard
	Primary and secondary cosmic rays- nature of cosmic rays- cosmic ray showers-Van Allen belt- origin of cosmic radiation.	3		
	Elementary particles- introduction-particles and antiparticles-antimatter-the fundamental interaction- elementary particle quantum numbers- conservation laws and symmetry-the quark Model	5		

Date of CIAs: As per college calendar/need based amendments.

Date:

Ramall
Principal

P. Magan Sathish
HoD

K. Vani
Course Teacher

SRI SARADA COLLEGE FOR WOMEN (Autonomous)
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COURSE TEACHING/LECTURE/EXAM PLAN

Department	Name of the faculty/s for the course	Academic year	Class
Physics	S.Karthika K.Veni	2023-2024	III B.Sc.Physics
Semester	Course code	Course title	
VI	21UPHC65	Energy Physics	

Title of the book (Text/Reference)	Author/s	Edition & Publisher
Renewable energy sources and emerging Technologies	Kothari D.P., K.C. Singal and Rakesh Ranjan,	Prentice Hall of India, 2008.
Solar Energy-principles of thermal collection and storage	S.P.Sukhame	tata-McGraw-Hill publishing company ltd
Solar Photovoltaics Fundamentals, Technologies and Applications	Chetan Singh Solanki	PHI Learning Private Limited, 2011, 2nd Edition
Solar Energy	Jeffrey M. Gordon	he State of the Art, Earthscan, 2013

Unit No	Topics	No. of hours	Proposed days/date	Remarks- Faculty/ Teaching aids
I	INTRODUCTION TO ENERGY SOURCES World's reserve of Commercial energy sources and their availability	4	12	Chalk &Talk
	India's production and reserves-Conventional and non-conventional sources of energy comparison	4		
	Coal- Oil and natural gas –applications - merits and demerits	4		
II	SOLAR THERMAL ENERGY Solar constant -Solar spectrum-Solar radiations outside earth's atmosphere –at the earth surface- on tilted surfaces Solar Radiation geometry-	4	12	Chalk &Talk
	Basic Principles of Liquid flat plate collector – Materials for flat plate collector –	4		
	Construction and working- Solar distillation-Solar disinfection Solar drying-Solar cooker(box type)- Solar water heating systems – Swimming pool heating.	4		
III	PHOTOVOLTAIC SYSTEMS Introduction-Photovoltaic principle-Basic Silicon Solar cell- Power output and conversion efficiency- Limitation to photovoltaic efficiency	4	12	Chalk &Talk
	Basic photovoltaic system for power generation- Advantages and disadvantages-Types of solar cells	4		
	Application of solar photovoltaic systems - PV Powered fan – PV powered arealighting system – A	4		

	Hybrid System			
IV	BIOMASS ENERGY Introduction-Biomass classification- Biomass conversion technologies – Bio -gas generation-Factors affecting bio-digestion	3	12	Chalk &Talk
	-Working of biogas plant Floating and fixed dome type plant -advantages and disadvantage of -Bio-gas from plant wastes	3		
	Methods for obtaining energy from biomass Thermal gasification of biomass-	3		
	Working of downdraft gasifier- Advantages and disadvantages of biological conversion of solar energy	3		
V	WIND ENERGY AND OTHER ENERGY SOURCES Wind Energy Conversion-Classification and description of wind machines ,wind energy collectors	3	12	Chak&Talk
	Energy storage-- Energy from Oceans and Chemical energy resources Ocean thermal energy conversion-tidal power, advantages and limitations of tidal power generation	3		
	Energy and power from waves- wave energy conversion devices Fuel cells- and application of fuel cells- batteries- advantages of battery for bulk energy storage-	3		
	Hydrogen as alternative fuel for motor vehicles	3		

Date of CIAs: As per college calendar/need based amendments.

Date:

Ramale
Principal

S. Magare Pothilakshmi
HoD

S. Karthika
K. Vani
Course Teacher

SRI SARADA COLLEGE FOR WOMEN (Autonomous)
TIRUNELVELI 627011
COURSE TEACHING/LECTURE/EXAM PLAN

Department	Name of the faculty/s for the course	Academic year	Class
Physics	S.Karthika	2023-2024	III B.Sc.Physics
Semester	Course code	Course title	
VI	19UPHC61	Digital Electronics	

Title of the book (Text/Reference)	Author/s	Edition & Publisher
Digital principles and Applications	Albert Paul Malvino & Donald P. Leach	TATA MC Graw Hill Education PVT, LTD. New Delhi
Digital logic and computer Design	Morris Mano	Prentice Hall of India, Pvt. Ltd
Digital Electronics	Gothmann W.H	Prentice Hall of India, Pvt. Ltd

Unit No	Topics	No. of hours	Proposed days/date	Remarks- Faculty/ Teaching aids
I	Number systems, binary arithmetic and codes Decimal, binary, Octal, decimal and hexadecimal numbersystems and their inter conversions.	4	12	Blackboard
	Binary arithmetic- Binary addition-binary subtraction-1's and 2's complements	4		Blackboard
	BCD codes, ASCII code, Excess-3code, Gray code.	4		Blackboard
II	Boolean algebra and logic gates Boolean algebra-De Morgan's theorem -Positive logic and negative logic systems	4	12	Blackboard
	Basic logic gates, OR, AND, NOT (symbol, Boolean equation, truth table, circuit diagram and working)- NAND, NOR, EX-OR (symbol, Boolean equation, truth table only)	4		Blackboard
	NAND and NOR as universal building blocks.	4		Blackboard
III	Arithmetic circuits, flip-flops and multivibrators Half and full adders- Half and full subtractors-RS Flip-flop-clocked RS Flip-flop	4	12	Blackboard

	JK Flip-flop, JK masterslave Flip-flop, D Flip-flop, T Flip-flop-555 timer	4		Blackboard
	Astable multivibrator, monostable multivibrator-Frequency divider	4		Blackboard
IV	Karnaugh map and combinational circuit applications Karnaugh map - 2,3 and 4 variables -simplification SOP and POS form of Boolean functions - Don't care conditions	4	12	Blackboard
	Multiplexer, Demultiplexer,	4		Blackboard
	Encoder, Decoder, parity generator and checker.	4		Blackboard
V	Shift registers and counters Types of registers- Serial in -Serial out-Serial in-Parallel out- Parallel in- Serial out- Parallel in-Parallel out	4	12	Blackboard
	Asynchronous counters and Synchronous counters- Ring counter- Binary counter-	4		Blackboard
	Up- Down counter Mod-5 counter- Mod-10 counter (decade counter)-A/D and D/A converters.	4		Blackboard

Date of CIAs: As per college calendar/need based amendments.

Date:

Ramale

Principal

P. Megan Sathish

HoD

S. Karthika
Course Teacher

SRI SARADA COLLEGE FOR WOMEN (Autonomous)
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COURSE TEACHING/LECTURE/EXAM PLAN

Department	Name of the faculty/s for the course	Academic year	Class
Physics	Dr.J.Revathi	2023-2024	III B.Sc. Physics
Semester	Course code	Course title	
VI	19UPHC64	Solid State Physics	

Title of the book (Text/Reference)		Author/s	Edition & Publisher		
Solid State Physics		P.K. Palanisamy	SCITECH Publications pvt Ltd .chennai		
Nano-essentials and understanding		Pradeep	T.Mc-Graw-Hill Ltd		
Introduction to Solid State Physics		Kittel	Wiley and Sons, New Delhi		
Material Science and Engineering		V. Raghavan	PHI		
Unit No	Topics	No. of hours	Proposed days/date	Remarks- Faculty/ Teaching aids	
I	Crystal lattices Introduction-seven classes of crystals - Bravais lattice in three dimensions - crystal structure - Simple cubic, Face centered cubic Body centered cubic and Hexagonal close packed structure	4	12	Blackboard	
	Sodium Chloride, Zinc Blende and Diamond Structures. Miller Indices and crystal planes - procedure for finding Miller Indices	4			
	Diffraction of X-Rays-- Bragg's Law-reciprocal lattices-reciprocal lattice to SCC,BCC abd FCC lattices.	4			
II	Types of magnetic materials Introduction -classical theory of Diamagnetism - Langevin's theory of Para magnetism - Weiss Theory of Para magnetism - Ferromagnetism	4	12	Blackboard	
	Explanation of Heisenberg's internal field and quantum theory of ferromagnetism- Domain theory of ferromagnetism - Anti ferromagnetism - ferrites	4			
	Fundamental Definitions of Dielectrics - Different types of Electric Polarizations-electronic, ionic, orientation and space charge Polarizations - Dielectric Loss - Internal Field-Clausius - Mosotti Relation	4			

III	Bonding in solids Types of bonds in crystals - Ionic, covalent, Metallic, Vander waal's and Hydrogen Bonding - Bond energy of sodium chloride molecule	4	12	Blackboard
	Comparison between ionic and covalent solids variation of inter atomic force with inter atomic spacing	4		
	cohesive energy - cohesive energy of ionic solids- application to sodium chloride crystal- evaluation of Madelung constant for sodium chloride.	4		
IV	Super conductivity Introduction - General Properties of Superconductors - effect of magnetic field - Meissner effect - effect of current - thermal properties	4	12	Blackboard
	entropy - specific heat - energy gap - isotope effect - London equations - AC & DC Josephson effects - applications -	4		
	Type-I and Type-II Superconductors - Explanation for the Occurrence of Super Conductivity - BCS theory - Application of Superconductors - High TC superconductors.	4		
V	Nanotechnology Nanomaterials-synthesis and classification - techniques used in synthesis of nano materials	4	12	Blackboard
	chemical vapour deposition-sol-gel technique-electro deposition method-ball milling method	4		
	Characterization of nanomaterials- fullerenes, graphene and carbon nanotubes.	4		

Date of CIAs: As per college calendar/need based amendments.

Date:

Ravada
Principal

S. Magam Jothi Lakshmi
HoD

Dr. J. Ravathi
Course Teacher

SRI SARADA COLLEGE FOR WOMEN (Autonomous)
TIRUNELVELI 627011
COURSE TEACHING/LECTURE/EXAM PLAN

Department	Name of the faculty/s for the course	Academic year	Class
Physics	Dr. S. Bagavathi Dr. J.Revathi	2023 - 2024	I M.Sc. Physics
Semester	Course code	Course title	
II	23PPHC21	QUANTUM MECHANICS I	

Title of the book (Text/Reference)	Author/s	Edition & Publisher
A Text book of Quantum Mechanics	P. M. Mathews and K. Venkatesan	2 nd edition(37 th Reprint), Tata McGraw-Hill, New Delhi, 2010
Quantum Mechanics	G. Aruldas	2nd edition, Prentice Hall of India, New Delhi, 2009
Introduction to Quantum Mechanics	David J Griffiths	4th edition, Pearson, 2011
Quantum Mechanics	V. Devanathan	2nd edition, Alpha Science International Ltd, Oxford, 2011

Unit No	Topics	No. of hours	Proposed days/date	Remarks- Faculty/ Teaching aids
I	BASIC FORMALISM Interpretation of the wave function – Time dependent Schrodinger equation –Time independent Schrodinger equation	4	12	Chalk & Board & PPT
	Stationary states – Ehrenfest's theorem – Linear vector space – Linear operator – Eigen functions and Eigen Values – Hermitian Operator	4		
	Postulates of Quantum Mechanics – Simultaneous measurability of observables – General Uncertainty relation	4		
II	ONE DIMENSIONAL AND THREE-DIMENSIONAL ENERGY EIGEN VALUE PROBLEMS Square – well potential with rigid walls – Square well potential with finite walls – Square potential barrier – Alpha emission	4	12	Chalk & Board & PPT
	Bloch waves in a periodic potential – Kronig-penny square – well periodic potential – Linear harmonic oscillator	4		
	Operator method – Particle moving in a spherically symmetric potential – System of two interacting particles – Hydrogen atom – Rigid rotator	4		

III	UNIT III: GENERAL FORMALISM	4	12	Chalk & Board & PPT
	Dirac notation – Equations of motions – Schrodinger representation – Heisenberg representation	4		
	Interaction representation – Coordinate representation – Momentum representation	4		
IV	APPROXIMATION METHODS	4	12	Chalk & Board & PPT
	Time independent perturbation theory for non-degenerate energy levels – Degenerate energy levels – Stark effect in Hydrogen atom	4		
	Ground and excited state – Variation method – Helium atom – WKB approximation	4		
V	ANGULAR MOMENTUM	3	12	Chalk & Board & PPT
	Eigenvalue spectrum of general angular momentum – Ladder operators and their algebra	3		
	Matrix representation – Spin angular momentum – Addition of angular momenta	3		
	CG Coefficients – Symmetry and anti-symmetry of wave functions	3		
	Construction of wave-functions and Pauli's exclusion principle	3		

Date of CIAs: As per college calendar/need based amendments.

Date

Ramale
Principal

S. Nagaraj Lakshmi
HoD

[Signature]
Course Teacher

SRI SARADA COLLEGE FOR WOMEN (Autonomous)
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COURSE TEACHING/LECTURE/EXAM PLAN

Department	Name of the faculty/s for the course	Academic year	Class
Physics	Dr. N. BoomaDevi	2023 - 2024	I M.Sc.Physics
Semester	Course code	Course title	
II	23PPHC22	STATISTICAL MECHANICS	

Title of the book (Text/Reference)	Author/s	Edition & Publisher
<i>Statistical Mechanics</i>	S. K. Sinha	1990, Tata McGraw Hill, New Delhi
<i>Statistical Mechanics</i>	B. K. Agarwal and M. Eisner	1998, Second Edition New Age International, New Delhi.
<i>Statistical Mechanics</i>	J. K. Bhattacharjee	1996, An Introductory Text, Allied Publication, New Delhi.
<i>Fundamentals of Statistical and Thermal Physics</i>	F. Reif	1965, McGraw -Hill, New York
<i>Heat and Thermodynamics</i>	M. K. Zemansky	1968, 5 th edition, McGraw-Hill New York.

Unit No	Topics	No. of hours	Proposed days/date	Remarks- Faculty/ Teaching aids
I	PHASE TRANSITIONS Thermodynamic potentials - Phase Equilibrium - Gibb's phase rule	4	12	Black board & PPT
	Phase transitions and Ehrenfest's classifications – Third law of Thermodynamics. Order parameters – Landau's theory of phase transition	4		
	Critical indices - Scale transformations and dimensional analysis.	4		
II	STATISTICAL MECHANICS AND THERMODYNAMICS Foundations of statistical mechanics - Specification of states of a system - Micro canonical ensemble	4	12	Black board & PPT
	Phase space - Entropy - Connection between statistics and thermodynamics	4		
	Entropy of an ideal gas using the micro canonical ensemble - Entropy of mixing and Gibb's paradox.	4		

III	CANONICAL AND GRAND CANONICAL ENSEMBLES Trajectories and density of states - Liouville's theorem	4	12	Black board & PPT
	Canonical and grand canonical ensembles - Partition function	4		
	Calculation of statistical quantities - Energy and density fluctuations.	4		
IV	CLASSICAL AND QUANTUM STATISTICS Density matrix - Statistics of ensembles - Statistics of indistinguishable particles	4	12	Black board & PPT
	Maxwell-Boltzmann statistics - Fermi-Dirac statistics - Ideal Fermi gas - Degeneracy - Bose-Einstein statistics	4		
	Planck radiation formula - Ideal Bose gas - Bose-Einstein condensation.	4		
V	REAL GAS, ISING MODEL AND FLUCTUATIONS Cluster expansion for a classical gas - Virial equation of state - Calculation of the first Virial coefficient in the cluster expansion	3	12	Black Board & PPT
	Ising model - Mean-field theories of the Ising model in three, two and one dimensions - Exact solutions in one dimension.	3		
	Correlation of space-time dependent fluctuations - Fluctuations and transport phenomena - Brownian motion - Langevin's theory - Fluctuation-dissipation theorem - The Fokker-Planck equation	6		

Date of CIAs: As per college calendar/need based amendments.

Ranale
Principal

S. M. Jaganath Lakshmi
HoD

N. Ramesh
Course Teacher

SRI SARADA COLLEGE FOR WOMEN (Autonomous)
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COURSE TEACHING/LECTURE/EXAM PLAN

Department	Name of the faculty/s for the course	Academic year	Class
Physics	M. Uma Maheswari	2023 - 2024	I M.Sc.Physics
Semester	Course code	Course title	
II	23PPHC22	CONDENSED MATTER PHYSICS	

Title of the book (Text/Reference)	Author/s	Edition & Publisher
1. Introduction to Solid State Physics,	1. Kittel,	1.7 th Edition, Wiley, New York.
2. Solid State Physics	2. Rita John,	2. Mc-GrawHill Publication.
3. Solid state Physics,	3. J. S. Blakemore	3. 2 nd Edition, W.B. Saunder, Philadelphia
4. The Solid State	4. H. M. Rosenburg,	4. 3rd Edition, Oxford University Press, Oxford.

Unit No	Topics	No. of hours	Proposed days/date	Remarks- Faculty/ Teaching aids
I	UNIT I: CRYSTAL PHYSICS Types of lattices - Miller indices - Symmetry elements and allowed rotations -	3	12	Black board & PPT
	Simple crystal structures - Atomic Packing Factor - Crystal diffraction - Bragg's law	2		
	Scattered Wave Amplitude - Reciprocal Lattice (sc, bcc, fcc). Structure and properties of liquid crystals. Diffraction Conditions - Laue equations - Brillouin zone	3		
	Structure factor - Atomic form factor - Inert gas crystals - Cohesive energy of ionic crystals	2		
	Madelung constant - Types of crystal binding (general ideas).	2		
II	UNIT II: LATTICE DYNAMICS Lattice with two atoms per primitive cell - First Brillouin zone -	4	12	Black board & PPT
	Group and phase velocities - Quantization of lattice vibrations - Phonon momentum - Inelastic scattering by phonons	4		
	Debye's theory of lattice heat capacity - Thermal Conductivity - Umklapp processes	4		

III	UNIT III: THEORY OF METALS AND SEMICONDUCTORS Free electron gas in three dimensions - Electronic heat capacity - Wiedemann-Franz law - Band theory of metals and semiconductors -	4	12	Black board & PPT
	Bloch theorem-Kronig-Penney model - Semiconductors - Intrinsic carrier concentration - Temperature Dependence-Mobility - Impurity conductivity - Impurity states - Hall effect	4		
	Fermi surfaces and construction - Experimental methods in Fermi surface studies - de Hass-van Alphen effect .	4		
IV	UNIT IV: MAGNETISM Diamagnetism - Quantum theory of paramagnetism - Rare earth ion - Hund's rule- Quenching of orbital angular momentum-	4	12	Black board & PPT
	Adiabatic demagnetization - Quantum theory of ferromagnetism - Curie point - Exchange integral - Heisenberg's interpretation of Weiss field - Ferromagnetic domains - Bloch wall - Spin waves	4		
	Quantization - Magnons - Thermal excitation of magnons - Curie temperature and susceptibility of ferrimagnets - Theory of antiferromagnetism - Neel temperature	4		
V	UNIT V: Superconductivity Experimental facts: Occurrence - Effect of magnetic fields - Meissner effect - Critical field - Critical current - Entropy and heat capacity - Energy gap - Microwave and infrared properties	4	12	Black Board & PPT
	Type I and II Superconductors. Theoretical Explanation: Thermodynamics of super conducting transition - London equation - Coherence length - Isotope effect - Cooper pairs - Bardeen Cooper Schrieffer (BCS) Theory - BCS to Bose	4		
	- Einstein Condensation (BEC) regime- Nature of pairing and condensation of Fermions. Single particle tunneling - Josephson tunneling - DC and AC Josephson effects - High temperature Superconductors - SQUIDS.	4		

Date of CIAs: As per college calendar/need based amendments.

Date:

Kamala
Principal

P. Magaram Sathkida
HoD

M. (Signature)
Course Teacher

SRI SARADA COLLEGE FOR WOMEN (Autonomous)
TIRUNELVELI 627011
COURSE TEACHING/LECTURE/EXAM PLAN

Department	Name of the faculty/s for the course	Academic year	Class
Physics	Dr. S. Bagavathi	2023 - 2024	I M.Sc. Physics
Semester	Course code	Course title	
II	23PPHE22	BioPhysics	

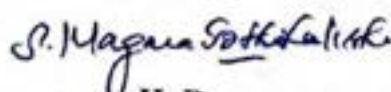
Title of the book (Text/Reference)	Author/s	Edition & Publisher
The cell: A molecular approach	Geoffrey M. Cooper	ASM Press, 2013
Biophysics	Vasanthapattabhi, N. Gautham	Narosa Publishing, 2009
Biophysics	P. S. Mishra	VK Enterprises, 2010
Bioinstrumentation	, L. Veerakumari	MJP Publishers, 2006

Unit No	Topics	No. of hours	Proposed days/date	Remarks- Faculty/ Teaching aids
I	CELLULAR BIOPHYSICS Architecture and Life Cycle of cells - Organelles of Prokaryotic and Eukaryotic cell - Cell size and shape	4	12	Chalk & Board & PPT
	Fine structure of Prokaryotic and Eukaryotic cell organization - Compartment & assemblies membrane system	4		
	Extracellular matrix - Molecular mechanisms of Vesicular traffic - Electrical activities of cardiac and neuronal cells.	4		
II	MOLECULAR BIOPHYSICS Macromolecular structure: Protein structure - amino acids, peptide bonds, primary, secondary, tertiary and quaternary structures of proteins	4	12	Chalk & Board & PPT
	Nucleic acid structure: nucleosides and nucleotides, RNA structure, DNA structure and conformation.	4		
	Special Bio-macromolecules: Metalloproteins, nucleoproteins, ribozymes, chaperons and prions	4		
III	MEMBRANE AND NEURO BIOPHYSICS Models membranes - Biological membranes and dynamics - Membrane Capacitors -Transport across cell and organelle membranes	4	12	Chalk & Board & PPT
	Ion channels. Nervous system: Organization of the nervous system -Membrane potential	4		

	Origins of membrane potential - Electrochemical potentials – Nernst equation – Goldman equation.	4		
IV	RADIATION BIO PHYSICS X-Ray: Effects on bio-macromolecules – Gamma Radiation: Molecular effects of gamma radiation,	4	12	Chalk & Board & PPT
	Radiation effects on nucleic acids and membranes, Effects on cell and organelles	4		
	UV radiation: Effects on bio-macromolecules and proteins – Radiation hazards and protection – use of radiations in cancer	4		
V	PHYSICAL METHODS IN BIOLOGY Spectroscopy: UV-Visible absorption spectrophotometry – Optical Rotatory Dispersion (ORD) – Structure Determination: X-ray Crystallography	4	12	Chalk & Board & PPT
	Electron spin resonance (ESR) and biological applications. Chromatography: Thin layer chromatography (TLC), Gas liquid chromatography (GLC)	4		
	Centrifugation: Differential centrifugation, density gradient centrifugation. Electrophoresis: Gel electrophoresis, polyacrylamide gel electrophoresis	4		

Date of CIAs: As per college calendar/need based amendments.


Principal


HoD


Course Teacher

SRI SARADA COLLEGE FOR WOMEN (Autonomous)
TIRUNELVELI 627011
COURSE TEACHING/LECTURE/EXAM PLAN

Department	Name of the faculty/s for the course	Academic year	Class
Physics	Dr.J.Revathi	2023 - 2024	I M.Sc.Physics
Semester	Course code	Course title	
II	23PPHC2	MICROPROCESSOR 8085 AND MICROCONTROLLER 8051	

Title of the book (Text/Reference)	Author/s	Edition & Publisher
Microprocessors & Microcontrollers	A. NagoorKani	RBA Publications (2009)
Microprocessor Architecture, Programming and Applications with 8085	Ramesh Gaonkar	Penram International Publishing (2013)
Fundamentals of Microprocessors & Microcontrollers	B. Ram	DhanpatRai publications New Delhi (2016)
Fundamentals of Microprocessor-8085	V. Vijayendran	3rd Edition S.Visvanathan Pvt, Ltd. (2005)

Unit No.	Topics	No. of hours	Proposed days/date	Remarks- Faculty/ Teaching aids
I	UNIT I:8085 PROGRAMMING, PERIPHERAL DEVICES AND THEIR INTERFACING			Black board
	Instruction set - Addressing modes - Programming techniques - Memory mapped I/O scheme- I/O mapped I/O scheme	4	12	
	Memory and I/O interfacing- Data transfer schemes - Interrupts of 8085 - Programmable peripheral interface (PPI) - Control group and control word	4		
Programmable DMA controller - Programmable interrupt controller - Programmable communication interface - Programmable counter /interval timer.	4			
II	UNIT II: 8085 INTERFACING APPLICATIONS			Black board
	Seven segment display interface - Interfacing of Digital to Analog converter and Analog to Digital converter	6	12	
	Stepper motor interface - Measurement of electrical quantities -Voltage and current) Measurement of physical quantities (Temperature an strain).	6		

III	UNIT III: 8051 MICROCONTROLLER HARDWARE Introduction - Features of 8051 - 8051 Microcontroller Hardware: Pin-out 8051, Central Processing Unit (CPU), internal RAM, Internal ROM	6	12	Black board
	Register set of 8051 - Memory organization of 8051 - Input/Output pins, Ports and Circuits - External data memory and program memory: External program memory, External data memory	6		
IV	UNIT IV: 8051 INSTRUCTION SET AND ASSEMBLY LANGUAGE PROGRAMMING Addressing modes - Data moving (Data transfer) instructions: Instructions to Access external data memory, external ROM / program memory	3	12	Black board
	PUSH and POP instructions, Data exchange instructions - Logical instructions: byte and bit level logical operations, Rotate and swap operations	3		
	Arithmetic instructions: Flags, Incrementing and decrementing, Addition, Subtraction, Multiplication and division, Decimal arithmetic	3		
	Jump and CALL instructions: Jump and Call program range, Jump, Call and subroutines - Programming.	3		
V	UNIT V: INTERRUPT PROGRAMMING AND INTERFACING TO EXTERNAL WORLD 8051 Interrupts - Interrupt vector table - Enabling and disabling an interrupt - Timer interrupts and programming - Programming external hardware interrupts - Serial communication interrupts and programming	6	12	Black Board
	Interrupt priority in the 8051 :Nested interrupts, Software triggering of interrupt, LED Interface Seven segment display interface- Interfacing of Digital to Analog converter and Analog to Digital converter	3		
	Stepper motor interface - Measurement of electrical quantities - Voltage and current) Measurement of physical quantities (Temperature and strain).	3		

Date of CIAs: As per college calendar/need based amendments.

Date

Ramali
Principal

P. M. ...
HoD

T. ...
Course Teacher

SRI SARADA COLLEGE FOR WOMEN (Autonomous)
TIRUNELVELI 627011
COURSE TEACHING/LECTURE/EXAM PLAN

Department	Name of the faculty/s for the course	Academic year	Class
Physics	Dr. S. Bagavathi Dr. N. Booma Devi	2023 - 2024	II M.Sc. Physics
Semester	Course code	Course title	
IV	22PPHC41	QUANTUM MECHANICS II	

Title of the book (Text/Reference)	Author/s	Edition & Publisher
Quantum Mechanics	L. Schiff	2017, 4 th edition, Tata McGraw Hill, New Delhi
A Text Book of Quantum Mechanics	P.M. Mathews and K. Venkatesan	1987, 5 th edition, Tata McGraw Hill, New Delhi
Quantum Mechanics	S. Devanarayanan	2005, 2 nd edition, Sci. Tech. Publications Pvt Ltd, Chennai
Quantum Mechanics	G. Aruldas	2003, 2 nd edition, Prentice Hall India, New Delhi

Unit No	Topics	No. of hours	Proposed days/date	Remarks- Faculty/ Teaching aids
I	Theory of angular momentum Orbital angular momentum – Eigen pair of L^2 and L_z Properties of components of L and L^2	4	12	Chalk & Talk & PPT
	Matrix representation of L^2, L_x and L_y	4		
	spin state of an electron – spin orbit coupling – Addition of angular momentum.	4		
II	Approximation methods-I Time Independent Perturbation Theory: Introduction	4	12	Chalk & Talk & PPT
	Theory for non- degenerate case- Application to non-degenerate levels	4		
	Theory for degenerate levels- First order Stark effect in Hydrogen atom- Zeeman effect.	4		
III	Approximation methods II Time Dependent Perturbation theory: Introduction- Transition probability- constant perturbation-	4	12	Chalk & Talk &

	Harmonic perturbation-adiabatic perturbation-sudden approximation	4	12	PPT
	Semi-classical theory of radiation- calculation of Einstein coefficients.	4		
IV	Scattering theory Classical scattering cross section –Centre of mass and laboratory co-ordinate systems.	4	12	Chalk & Talk & PPT
	Scattering amplitude-Green's function approach – Born approximation	4		
	Partial wave analysis-Scattering form a square well system	4		
V	Relativistic quantum theory Klein – Gordon equation – Dirac equation for a free particle	4	12	Chalk & Talk & PPT
	Spin of a Dirac particle – Particle in a potential – Relativistic particle in a box	4		
	Relativistic hydrogen atom– Electron in a field–Spin orbit energy.	4		

Date of CIAs: As per college calendar/need based amendments.

Date:

A. Ramale
Principal

B. M. Jayan Sathik Laksh
HoD

N. E. E. Madeni
S. W. H.
Course Teacher

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COURSE TEACHING/LECTURE/EXAM PLAN

Department	Name of the faculty/s for the course	Academic year	Class
Physics	Dr. J. REVATHI M.UMA MAHESWARI	2023-2024	II M.Sc. Physics
Semester IV	Course code 22PPHC42	Course title Spectroscopic Techniques	

Title of the book (Text/Reference)	Author/s	Edition & Publisher
Fundamentals of Molecular Spectroscopy	N.Banwell and E.M.Mc Cash	2017 (4), Tata McGraw Hill.
Molecular Structure and Spectroscopy	G.Aruldhass	2008 (2), Prentice Hall India
Spectroscopy	B.P.Strughan and S.Walker	1976 (1), John Wiley
Introduction to Molecular Spectroscopy	Gordon M. Barrow	1962 (1), McGraw-Hill

Unit No	Topics	No. of hours	Proposed days/date	Remarks- Faculty/ Teaching aids
I	Microwave spectroscopy Classification of molecules based on moment of inertia- rotational spectra of rigid and non-rigid diatomic molecules	4	12	Black board & PPT
	Isotopic effect - linear polyatomic molecule - symmetric top molecule	4		
	Chemical analysis -microwave spectrometer	4		
II	Infrared spectroscopy Vibrating diatomic and poly-atomic molecules Simple harmonic oscillator - an harmonicity Hydrogen bonding	4	12	Black board & PPT
	Fermi resonance - rotation vibration spectra of polyatomic molecule	4		
	information from IR spectra - IR spectrometer - FTIR.	4		
III	Raman spectroscopy Theory of Raman scattering - rotation vibration Raman spectra - mutual exclusion principle -	4	12	Black board & PPT
	Raman spectrometer - polarization of Raman scattered light	4		
	structure determination using Raman spectrum - phase transition - resonance Raman scattering.	4		

IV	Resonance spectroscopy Magnetic properties of nuclei – resonance condition –relaxation time – Chemical shift– application to molecular structure – Bloch equation	4	12	Black board & PPT
	NMR instrumentation – NMR imaging – ESR theory and hyperfine structure ESR spectra of hydrogen atom and anisotropic systems	4		
	crystal defects and biological studies – ESR spectrometer.	4		
V	Surface spectroscopy Electron Energy Loss Spectroscopy EELS	4	12	Black board & PPT
	Reflection absorption IR spectroscopy RAIRS – Surface Enhanced Raman Scattering SERS	4		
	Inelastic helium scattering- X-Ray Photoelectron Spectroscopy XEPS.	4		

Date of CIAs: As per college calendar/need based amendments.

Date:

Ramale
Principal

S. Magan Sathish
HoD

M. Ganesh
Course Teacher

SRI SARADA COLLEGE FOR WOMEN (Autonomous)
TIRUNELVELI 627011
COURSE TEACHING/LECTURE/EXAM PLAN

Department	Name of the faculty/s for the course	Academic year	Class
Physics	M. Uma Maheswari	2023 - 2024	II M.Sc.Physics
Semester	Course code	Course title	
IV	22PPE41A	AstroPhysics	

Title of the book (Text/Reference)	Author/s	Edition & Publisher
1.An Introduction to Astrophysics	1.Baidyanath Basu, Tanuka Chattopadhyay, Sudhindra Nath Biswas	2010/2013 Prentice Hall India Learning Private Limited
2.An Introduction to Modern Astrophysics	2.B.W.Carroll&D.A.Ostlie	2. 2 nd Edition&2017, Cambridge University Press
3.Astrophysics II: Interstellar Matter and Galaxies	3.Richard Bowers, TerryDeeming,	3.1st Edition&1984, Jones & Bartlett Pub

Unit No	Topics	No. of hours	Proposed days/date	Remarks- Faculty/ Teaching aids
I	Basic Concepts & Celestial Mechanics systems of time, parallaxes, distances, Luminosity, Apparent and absolutemagnitudes,	4	12	Black board & PPT
	stellar radial velocities, masses, Binary stars	4		
	stellar spectra, spectral classification, HR diagram, Variable stars (definition only).	4		
II	Astronomical Instruments and Observational Techniques & Solar Physics Types of optical telescopes, Characteristics, Photometers, UBV System, color index, atmospheric effects, CCD camera.	4	12	Black board & PPT
	Solar Interior structure (Pressure Density, temperature, generation of energy, radioactive and convective zones), Solar Neutrino-Solar Atmosphere: Photosphere	4		
	Model of solar photosphere, Chromosphere, corona, sunspots, their properties, cyclic variation, connection with magnetic fields, solar prominences, solar flares, active regions, helioseismology	4		
III	Unit III: Interstellar Medium Stellar Structure: Physical processes in solar system	4	12	Black board & PPT
	the terrestrial planets, Jupiter, Saturn,Uranus and Pluto	4		
	Comets, Asteroids, Meteoroid – formation of the system	4		
IV	Unit IV: Cosmology Hubble's Law: Newtonian Cosmology,	4	12	Black board & PPT
	Cosmic Background radiation, cosmological red shifts	4		
	Observational techniques.	4		

V	Unit V: Stellar Evolution, White dwarfs, Neutron Stars and Black Holes Vogt-Russel Theorem, mass luminosity relation - Proto stars, Pre-main sequence evolution,	3	12	Black Board & PPT
	main sequence evolution, last stage of stellar evolution, fate of massive stars, discovery of Sirius - B, White dwarfs	3		
	Quantum mechanics of degenerate matter, mass radius relation for neutron stars, pulsars, crab nebula pulsar, stellar and super massive black holes	6		

Date of CIAs: As per college calendar/need based amendments.

Date:

Akamala
Principal

S. Mysore Sathya Lakshmi
HoD

M. G. S.
Course Teacher

SRI SARADA COLLEGE FOR WOMEN (Autonomous)

TIRUNELVELI 627011

COURSE TEACHING/LECTURE/EXAM PLAN

Department	Name of the faculty/s for the course	Academic year	Class
Physics	Dr. N. Booma Devi	2023 - 2024	II M.Sc. Physics
Semester	Course code	Course title	
IV	22PPHC41	NUCLEAR AND PARTICLE PHYSICS	

Title of the book (Text/Reference)	Author/s	Edition & Publisher
Nuclear Physics	D.C. Taya,	2011, 5 th edition Himalaya Publications
Elements of Nuclear Physics	M.C. Pandia and R.P. S Yadav Kedar Nath.	1995, 7 th edition, Sarika Offset Press, Meerut
Concepts of Nuclear Physics	Bernard L.C. Cohen	2017, 1 st edition, Tata McGraw-Hill Education
Nuclear Physics an Introduction	S.B. Patel	2014, 2 nd edition, Wiley Eastern Ltd
Nuclear Physics	R. R. Roy and B.P. Nigam	2005, 2 nd New Age International Ltd

Unit No	Topics	No. of hours	Proposed days/date	Remarks- Faculty/ Teaching aids
I	Nuclear forces Ground and excited states of deuteron - magnetic dipole and electric quadrupole moments of deuteron	4	12	Black board & PPT
	n-p scattering at low energies - shape independent effective range theory of np scattering	4		
	pp scattering at low energies - exchange forces - meson theory of nuclear force.	4		
II	Nuclear decays Gamow's theory of alpha decay - linear and Continuous spectrum of β decay	4	12	Black board & PPT
	Fermi theory of beta decay - Fermi and Gamow-Teller selection rules - parity violation	4		
	Gamma decay - multi pole transitions in nuclei - selection rules - internal conversion - nuclear isomerism.	4		
III	Nuclear models Liquid drop model - Weizsacker's mass formula - nuclear stability - Bohr Wheeler theory of nuclear fission	4	12	Black board & PPT
	Magic numbers - evidence for magic numbers - shell model - spin orbit coupling	4		
	Angular momentum and parities of nuclear ground states - magnetic moments - Schmidt line - collective model.	4		
IV	Nuclear reactions Types of nuclear reactions - Q-equation - solution of the equation - compound nuclear theory	4	12	Black board & PPT
	Reciprocity theorem - nuclear cross section - resonance scattering	4		
	Breit-Wigner dispersion formula - nuclear chain reaction - four factor formula.	4		

V	Elementary particles Classification of elementary particles-fundamental interactions conservation laws -CPT theorem	6	12	Black Board & PPT
	SU(3) multiplet -meson octet-baryon octet and baryon decouplet-Gell-Mann-Okubo mass formula -Quark theory.	6		

Date of CIAs: As per college calendar/need based amendments.

Ramale
Principal

S. Nagaraj Sathya Lakshmi
HoD

N. Bharadwaj
Course Teacher

SRI SARADA COLLEGE FOR WOMEN (Autonomous)
TIRUNELVELI 627011
COURSE TEACHING/LECTURE/EXAM PLAN

Department	Name of the faculty/s for the course	Academic year	Class
Chemistry	V.Raja Rajeswari & K.Lakshmi	2023-2024	I B.Sc Chemistry
Semester	Course code	Course title	
II	22UCHC21	General Chemistry – II	

Title of the book (Text/Reference)	Author/s	Edition & Publisher
Principles of Inorganic Chemistry	B. R. Puri, L. R. Sharma, K. C. Kalia	2016 (1) & Vishal Publishing & Co, Jalandhar
Advanced Organic Chemistry	Jerry March	2012 (6) & John Wiley and Sons, New York

Unit No	Topics	No. of hours	Proposed days/date	Remarks- Faculty/ Teaching aids
I	Acids, bases and Ionic equilibria Concepts of Acids and Bases - Arrhenius concept, Bronsted-Lowry concept, Lewis concept.	2	12	PPT
	Relative strengths of acids, bases and dissociation constant; dissociation of poly basic acids, ionic product of water, pH scale, pH of solutions	2		
	Degree of dissociation, common ion effect, factors affecting degree of dissociation; acid base indicators, theory of acid base indicators	2		
	Action of phenolphthalein and methyl orange, titration curves - use of acid base indicators	1		
	Buffer solutions – types, mechanism of buffer action in acid and basic buffer, Henderson-Hasselbalch equation; Salt hydrolysis - salts of weak acids and strong bases, weak bases and strong acids, weak acids and weak bases - hydrolysis constant, degree of hydrolysis and relation between hydrolysis constant and degree of hydrolysis.	4		
	Solubility product - determination and applications; numerical problems involving the core concepts	1		
II	Chemistry of s - Block Elements Hydrogen: Position of hydrogen in the periodic table. Alkali metals: Comparative study of the elements with respect to oxides, hydroxides, halides, carbonates and bicarbonates.	3	12	Chalk and Talk
	Diagonal relationship of Li with Mg. Preparation, properties and uses of NaOH, Na ₂ CO ₃ , KBr, KClO ₃ alkaline earth metals.	3		
	Anomalous behaviour of Be.	1		
	Chemistry of p- Block Elements (Group 13 & 14) preparation and structure of diborane and borazine. Chemistry of borax. Extraction of Al and its uses. Alloys of Al.	2		
	Comparison of carbon with silicon. Carbon-di-sulphide – Preparation, properties, structure and uses. Percarbonates, per monocarbonates and per dicarbonates	3		
III	Chemistry of p- Block Elements (Group 15-18) General characteristics of elements of Group 15; chemistry of H ₂ N-NH ₂ , NH ₂ OH, HN ₃ and HNO ₃ . Chemistry of PH ₃ , PCl ₃ , PCl ₅ , POCl ₃ , P ₂ O ₅ and oxy acids of phosphorous (H ₃ PO ₃ and H ₃ PO ₄).	2	12	Chalk and Talk
	General properties of elements of group 16 - Structure and allotropy of elements - chemistry of ozone - Classification and properties of oxides - oxides of sulphur and selenium – Oxy acids of sulphur (Caro's and Marshall's acids).	3		

	Chemistry of Halogens: General characteristics of halogen with reference to electro-negativity, electron affinity, oxidation states and oxidizing power. Peculiarities of fluorine.	3		
	Halogen acids (HF, HCl, HBr and HI), oxides and oxy acids (HClO ₄). Inter-halogen compounds (ICl, ClF ₃ , BrF ₅ and IF ₇), pseudo halogens [(CN) ₂ and (SCN) ₂] and basic nature of Iodine.	2		
	Noble gases: Position in the periodic table. Preparation, properties and structure of XeF ₂ , XeF ₄ , XeF ₆ and XeOF ₄ ; uses of noble gases – clathrate compounds	2		
IV	Hydrocarbon Chemistry-I Petroproducts: Fractional distillation of petroleum; cracking, isomerisation, alkylation, reforming and uses	1	12	PPT
	Alkenes- Nomenclature, general methods of preparation – Mechanism of β -elimination reactions – E1 and E2 mechanism - factors influencing – stereochemistry – orientation – Hofmann and Saytzeff rules.	2		
	Reactions of alkenes – addition reactions – mechanisms – Markownikoff's rule, Kharasch effect, oxidation reactions – hydroxylation, oxidative degradation, epoxidation, ozonolysis; polymerization.	2		
	Alkadienes Nomenclature - classification – isolated, conjugated and cumulated dienes; stability of conjugated dienes; mechanism of electrophilic addition to conjugated dienes - 1, 2 and 1, 4 additions.	2		
	Free radical addition to conjugated dienes– Diels–Alder reactions – polymerisation – polybutadiene, polyisoprene (natural rubber), vulcanisation, polychloroprene.	2		
	Alkynes Nomenclature; general methods of preparation, properties and reactions; acidic nature of terminal alkynes and acetylene, polymerisation and isomerisation.	1		
	Cycloalkanes: Nomenclature, Relative stability of cycloalkanes, Bayer's strain theory and its limitations.	1		
	Conformational analysis of cyclohexane, mono and di substituted cyclohexanes. Geometrical isomerism in cyclohexanes.	1		
V	Hydrocarbon Chemistry – II Benzene: Source, structure of benzene, stability of benzene ring, molecular orbital picture of benzene, aromaticity, Huckel's (4n+2) rule and its applications. Electrophilic substitution reactions	2	12	PPT
	General mechanism of aromatic electrophilic substitution - nitration, sulphonation, halogenation, Friedel-Craft's alkylation and acylation. Mono substituted and disubstituted benzene - Effect of substituent – orientation and reactivity.	3		
	Polynuclear Aromatic hydrocarbons: Naphthalene – nomenclature, Haworth synthesis; physical properties, reactions – electrophilic substitution reaction, nitration, sulphonation, halogenation, Friedel – Crafts acylation & alkylation, preferential substitution at (- position – reduction, oxidation – uses.	4		
	Anthracene – synthesis by Elbs reaction, Diels – Alder reaction and Haworth synthesis; physical properties; reactions - Diels-Alder reaction, preferential substitution at C-9 and C-10; uses.	3		

Date of CIAs: As per college calendar/need based amendments.

Date:


Principal


HOD


Course Teacher

SRI SARADA COLLEGE FOR WOMEN (Autonomous)
TIRUNELVELI 627011
COURSE TEACHING/LECTURE/EXAM PLAN

Department	Name of the faculty/s for the course	Academic year	Class
CHEMISTRY	R.Lakshmi Prabha	2023-2024	I BA ECO, ENG, I B.Sc CS, I B.COM
Semester	Course code	Course title	
II	23UCHS2A	Dairy Chemistry	

Title of the book (Text/Reference)	Author/s	Edition & Publisher
Applied Chemistry	K. Bagavathi Sundari	MJP Publishers, first edition, 2006

Unit No	Topics	No. of hours	Proposed days/date	Remarks- Faculty/ Teaching aids
I	Composition of Milk Milk-definition-general composition of milk.	1	6	Power point Presentation
	Constituents of milk - lipids, proteins, carbohydrates, vitamins and minerals	2		
	Physical properties of milk - colour, odour, acidity, specific gravity, viscosity and conductivity	1		
	Factors affecting the composition of milk - adulterants, preservatives with neutralizer examples and their detection	1		
	Estimation of fat, acidity and total solids in milk.	1		
II	Processing of Milk Microbiology of milk - destruction of micro - organisms in milk	2	6	Chalk & Talk
	Physico - chemical changes taking place in milk due to processing - boiling, pasteurization	2		
	Types of pasteurization - Bottle, Batch and HTST (High Temperature Short Time) - Vacuum pasteurization - Ultra High Temperature Pasteurization.	2		
III	Major Milk Products Cream - definition - composition - chemistry of creaming process	1	6	Power point Presentation
	Gravitational and centrifugal methods of separation of cream - estimation of fat in cream.	2		
	Butter - definition - composition - theory of churning - desi butter - salted butter, estimation of acidity and moisture content in butter.	1		
	Ghee - major constituents - common adulterants added to ghee and their detection	1		
	Rancidity - definition - prevention - antioxidants and synergists - natural and synthetic.	1		
IV	Special Milk Standardised milk - definition - merits - reconstituted milk - definition - flow diagram of manufacture	2	6	Power point Presentation
	Homogenised milk - flavoured milk - vitaminised milk -	1		

	Toned milk -Incitation milk - Vegetable toned milk - humanized milk	1		
	Condensed milk - definition, composition and nutritive value.	2		
V	Fermented and other Milk Products Fermented milk products – fermentation of milk - definition, conditions	1	6	Chalk & Talk
	Cultured milk - definition of culture - example, conditions - cultured cream, butter milk	1		
	Bulgarian milk -acidophilous milk – Yoheer Indigeneous products- khoa and chhena definition –	1		
	Ice cream -definition-percentage composition-types-ingredients-manufacture of ice-cream, stabilizers – emulsifiers and their role	2		
	Milk powder-definition need for making milk powder drying process-types of drying.	1		

Date of CIAs: As per college calendar/need based amendments.

Date:

A. Kaurale
Principal

V. Rajinipandian
HoD

Lakshmi
Course Teacher

SRI SARADA COLLEGE FOR WOMEN (Autonomous)
TIRUNELVELI 627011
COURSE TEACHING/LECTURE/EXAM PLAN

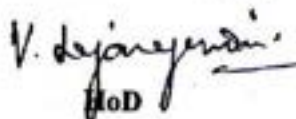
Department	Name of the faculty/s for the course	Academic year	Class
CHEMISTRY	T.Rejila	2023-2024	I B.Sc Chemistry
Semester	Course code	Course title	
II	23UCHSE21	Cosmetics and Personal Grooming	

Title of the book (Text/Reference)	Author/s	Edition & Publisher
Principles and practice of perfumes and cosmetics	George Howard	Stanley Theronos, Chettenham(1987)

Unit No	Topics	No. of hours	Proposed days/date	Remarks- Faculty/ Teaching aids
I	Skin care Nutrition of the skin, skin care and cleansing of the skin	2	12	Power point Presentation
	Face powder – ingredients	2		
	Creams and lotions – cleansing, moisturizing all purpose, shaving and sunscreen (formulation only)	3		
	Gels – formulation and advantages	2		
	Astringent and skin tonics – key ingredients, skin lightness, depilatories.	3		
II	Hair care Shampoos – types – powder, cream, liquid, gel – ingredients	4	12	Chalk & Talk
	Conditioner – types – ingredients .	4		
	Dental care Tooth pastes – ingredients – mouth wash .	4		
III	Make up Base – foundation – types – ingredients;	4	12	Power point Presentation
	Lipstick, eyeliner, mascara,	4		
	Eye shadow, concealers, rouge .	4		
IV	Perfumes Classification - Natural – plant origin – parts of the plant used, chief constituents;	4	12	Power point Presentation
	Animal origin – amber gries from whale	2		
	Civetone from civet cat, musk from musk deer	2		
	Synthetic – classification emphasizing characteristics – esters – alcohols – aldehydes – ketones.	4		
V	Beauty treatments Facials - types – advantages – disadvantages	2	12	Chalk & Talk
	Face masks – types; bleach - types – advantages-disadvantages;	3		
	Shaping the brows; eyelash tinting; perming – types	2		
	Hair colouring and dyeing ; permanent waving hair straightening	2		
	Wax – types – waxing; pedicure, manicure - advantages – disadvantages.	3		

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Date: 
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HoD


Course Teacher

SRI SARADA COLLEGE FOR WOMEN (Autonomous)
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COURSE TEACHING/LECTURE/EXAM PLAN

Department	Name of the faculty/s for the course	Academic year	Class
CHEMISTRY	V.Raja Rajeswari & K.Lakshmi	2023-2024	II B.Sc Chemistry
Semester	Course code	Course title	
IV	22UCHC41	Thermodynamics	

Title of the book (Text/Reference)	Author/s	Edition & Publisher
Principles of Physical Chemistry	Puri, Sharma and Pathania	2019 (48) & Vishal Publishing Co, Jalandhar
Text Book of Physical Chemistry	P.L. Soni, O.P. Dharmarha, U.N.Dash	2011 (23) & Sultan Chand & Sons, New Delhi

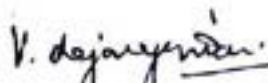
Unit No	Topics	No. of hours	Proposed days/date	Remarks- Faculty/ Teaching aids
I	Thermodynamics-I Importance of thermodynamics- limitations of thermodynamics-concepts of a system and surrounding, state variable- extensive and intensive properties, state function and their differential (exact and Inexact),	4	12	Power point presentation
	Different types of processes- Isothermal, Adiabatic, Isobaric, isochoric, reversible, irreversible and cyclic. Statement, Mathematical expression of first law of thermodynamics- enthalpy and energy of a system- Heat capacity at constant P & V-	4		
	Correlation between Cp and Cv - calculation of work, heat, internal energy change and enthalpy change for the expansion of an ideal gas under reversible isothermal and adiabatic conditions Joule Thomson effect - inversion temperature	4		
II	Thermodynamics- II Limitations of the first law of thermodynamics - Spontaneous process- Carnot cycle - different statement of second law of thermodynamics.	3	12	Chalk and Talk
	Entropy: Definition -entropy a state function - Trouton's rule. -entropy change in reversible and irreversible processes	3		
	Clausius inequality- entropy as function of T and V - entropy as a function of T and P - entropy change in isothermal transformation - entropy change accompanying change of phase- entropy of mixing of ideal gases -physical significance of entropy.	3		

	Free energy – Helmholtz free energy (A) and Gibbs free energy (G) – variation of free energy with T and P – Gibbs - Helmholtz equation – derivation and significance.- Clapeyron equation – applications – Clausius - Clapeyron equation and applications-Problems	3		
III	Thermodynamics III Partial molar properties – chemical potential – Gibbs - Duhem equation – derivation and significance – variation of chemical potential with temperature and pressure – chemical potential in a system of ideal gases.	4	12	Chalk and Talk
	Concept of fugacity –physical significance of fugacity – activity – activity coefficient - thermodynamics interpretation of law of mass action – derivation of van't Hoff isotherm and isochore.	4		
	Thermodynamic derivation of relation between concentration and elevation of boiling point and depression of freezing point. Nernst heat theorem – Third law of thermodynamics – statement – determination of absolute entropy of solids and gases - Exception to third law of thermodynamics.	4		
IV	Chemical Equilibrium The law of mass action- Thermodynamic treatment of law of mass action, Relationship between K_p and K_c ,	4	12	Chalk and Talk
	Application of Law of mass action to Homogeneous system- dissociation of PCl_5 and N_2O_4 ,	4		
	Application of Law of mass action to Heterogeneous system-Calcium carbonate – LeChatlier Principle and Physical equilibria.	4		
V	Thermochemistry Enthalpy of combustion- Standard enthalpy of combustion, Bomb calorimeter- Enthalpy of formation-	4	12	Power point presentation
	Standard enthalpy of formation – Bond energy and its applications, Enthalpy of neutralization,	4		
	Hess's law of heat of summation and its application, Kirchoff's equation, flame and explosion temperature	4		

Date of CIAs: As per college calendar/need based amendments.

Date:


Principal


HoD


Course Teacher

SRI SARADA COLLEGE FOR WOMEN (Autonomous)
TIRUNELVELI 627011
COURSE TEACHING/LECTURE/EXAM PLAN

Department	Name of the faculty/s for the course	Academic year	Class
CHEMISTRY	T.Rejila	2023-2024	II B.Sc Chemistry
Semester	Course code	Course title	
IV	22UCHS41	Human Health Chemistry	

Title of the book (Text/Reference)	Author/s	Edition & Publisher
Medicinal Chemistry	G.R.Chatwal	2002 (2) & Himalaya Publishing House, New Delhi.
A text book of Pharmaceutical Chemistry	Jeyashree Gosh	2014 (5) & S. Chand and Company, New Delhi

Unit No	Topics	No. of hours	Proposed days/date	Remarks- Faculty/ Teaching aids
I	First Aid Measures First Aid for accidents-important rules-first aid kit.	2	12	Power point Presentation
	First aid for cuts, bruises, bleeding, fractures, burns, fainting and poisonous bites.	2		
	Common poisons-Acid poisoning-antidote, Alkali poisoning-antidote, Poisoning by disinfectant-symptoms- antidote.	4		
	Alkaloid poisoning-symptoms-antidote, alcohol poisoning-symptoms-antidote.	2		
	Mercury poisoning-antidote and Salicylate poisoning-antidote.	2		
II	Chemicals In Pharmacy Definition and therapeutic uses of the following (an elementary study only) Antiseptics: alum, boric acid Mouth washes: Hydrogen peroxide	3	12	Chalk & Talk
	Antacids: Aluminium hydroxide, Magnesium Hydroxide Analgesics: Aspirin, paracetamol	3		
	Antibiotics: Penicillins, tetracyclines Haematinics: Ferrous fumerate, ferrous gluconate .	3		
	Laxatives:Epsom salt, milk of magnesia Sedatives: Diazepam	3		
III	Causes and Treatment of Some Common Diseases Insect borne diseases – malaria and filariasis Prevention and treatment. Air borne diseases – diphtheria, whooping cough, influenza	3	12	Power point Presentation

	Measles, mumps, common cold, tuberculosis and leprosy- Prevention and treatment.	2		
	Water borne – cholera, typhoid and diarrhoeal diseases -Prevention and treatment.	3		
	Respiratory disorder – Prevention and treatment of asthma.	2		
	Nervous disorder – epilepsy—Prevention and treatment - other diseases – Peptic ulcer-treatment.	2		
IV	Clinical Chemistry Clinical chemistry – Composition of blood – blood grouping - determination of blood groups and matching.	3	12	Power point Presentation
	Blood pressure – hypertension – determination.	1		
	Determination of glucose in serum – Folin and Wu's method - determination of serum cholesterol – Sackett's method – tests for cholesterol.	2		
	Estimation of glucose in urine – Diagnostic test for sugar in urine- Benedict's test-Clinistix-strip test.	2		
	Diagnostic test for salts in urine and serum. Detection of diabetes, detection of anaemia.	2		
	Estimation and functions of hemoglobin – estimation of red blood cells Normal RBC count in adults.	2		
V	Vitamins Classification of Vitamins-Sources- deficiency diseases of Vitamins A, B1, B2	4	12	Chalk & Talk
	Vitamins B6, B12, C, D, E, and K Therapeutic uses.	4		
	Treatment of ulcers and skin diseases.	4		

Date of CIAs: As per college calendar/need based amendments.

Date:


Principal


HoD


Course Teacher

SRI SARADA COLLEGE FOR WOMEN (Autonomous)
TIRUNELVELI 627011
COURSE TEACHING/LECTURE/EXAM PLAN

Department	Name of the faculty/s for the course	Academic year	Class
Chemistry	T.Rejila	2023-2024	II B.Com(CS), B.Com, II BA Eng, ECO, II B.Sc IT
Semester	Course code	Course title	
IV	22UNCH4A	Applied Chemistry	

Title of the book (Text/Reference)	Author/s	Edition & Publisher
Industrial Chemistry	B. K. Sharma	2011 (16) & Goel Publishing House, Meerut.
Textbook of Polymer Science	F. N. Billmeyer	2010 (3) & John Wile Ltd, New Delhi.

Unit No	Topics	No. of hours	Proposed days/date	Remarks- Faculty/ Teaching aids
I	Soaps and Detergents Soaps – Definition – classification, Saponification of oils and fats. – raw materials used in the manufacture of soap – manufacture of toilet soap	2	6	Chalk & Talk
	Soft soaps, Shaving soaps and creams. cleaning action of soap. ISI specifications, Testing procedures/limits.	2		
	Detergents – Definition -various types with examples – Mechanism of action of detergents. Comparison of soaps and detergents. Biodegradation – environmental effects. ISI specifications / limits.	2		
II	Fertilizers Definition – characteristics of a good fertilizer, macronutrient – role of nitrogen, potassium and phosphorous,	2	6	Chalk & Talk
	Micronutrient in plant growth – natural fertilizers – chemical fertilizers – urea, muriate of potash and triple superphosphate –	2		
	Mixed fertilizers – biofertilizers – advantages of biofertilizers	2		
III	Polymers Fibers: Classification –uses of terylene, nylon and orlon. Resins: Natural resins- synthetic resins-type-uses of fevicol, quick fix, araldite	2	6	Power point Presentation
	Glyptal and Bakelite. Plastics: classification- differences between thermoplasts and thermosets.	1		
	Advantages of plastics-uses of polythene, PVC, polystyrene, Teflon and thermocol.	1		
	Rubber: Types-defects in natural rubber-vulcanization-synthetic rubbers uses of neoprene, thiocol, butyl rubber, silicone rubber and foam rubber	2		
IV	Pharmaceutical Chemistry Definition and therapeutic uses of the following important drugs(an elementary study only)	2	6	Power point Presentation
	Antiseptics: alum, boric acid, Hydrogen peroxide Antacids: Aluminium hydroxide Analgesics: Aspirin, Paracetamol	2		

	Haematinics: Ferrous fumarate, ferrous gluconate Laxatives: Epsom salt, milk of magnesia -Sedatives: Diazepam	2		
V	Chemicals in Day-to-day Life An outline of the preparation and uses of the following articles. Tooth powder, tooth paste, nail polish	2	6	Chalk & Talk
	Shampoo, writing inks, gum paste, boot polish	2		
	Talcum powder, chalk crayons, agar battis, moth balls and phenyl	2		

Date of CIAs: As per college calendar/need based amendments.

Date:

Ramale

Principal

V. dejenyandis

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Deja
Course Teacher

SRI SARADA COLLEGE FOR WOMEN (Autonomous)
TIRUNELVELI 627011
COURSE TEACHING/LECTURE/EXAM PLAN

Department	Name of the faculty/s for the course	Academic year	Class
CHEMISTRY	R.Lakshmi Prabha	2023-2024	II B.Sc Physics & II B.Sc Mathematics
Semester	Course code	Course title	
IV	22UCHA41	Advanced Topics in Chemistry	

Title of the book (Text/Reference)	Author/s	Edition & Publisher
Textbook of Polymers-volume II	M.S.Bhatnagar	2012 (1) & S.Chand Publishing Ltd, New Delhi
Textbook of Polymer Science	F. N. Billmeyer	2010 (3) & John Wile Ltd, New Delhi

Unit No	Topics	No. of hours	Proposed days/date	Remarks- Faculty/ Teaching aids
I	Polymer Chemistry Introduction - Monomers, Oligomers, Polymers - Classification of polymers-Natural, synthetic and semi-synthetic, linear, branched and cross linked Network.	2	12	Power point presentation
	Plastics, elastomers, fibres, addition and condensation. Homopolymers and Co-polymers	2		
	Thermoplastics and Thermosetting plastics-Preparation, Properties and uses of Thermoplastics.	3		
	Polyethylene, Polypropylene, polystyrene, Poly Vinyl Chloride and nylon.	2		
	Thermosettingplastics -Phenol formaldehyde and Epoxide resin. Elastomers- buna S, buna-N, neoprene.	3		
II	Fuels, Detergents and Glass Fuel gases – Water gas, Producer gas, L.P.G, Gobar gas and Natural gas. Fertilizers – N.P.K and mixed fertilizers. Soaps and detergents	4	12	Chalk and Talk
	Elementary idea of soaps and detergents, cleansing action of soaps and detergents, advantages of detergents over soaps.	3		
	Cement and glass: Portland cement-manufacture only.	2		
	Manufacture of glass- types and uses borosilicates -photochromic and safetyglass	3		
III	Petro Chemistry Refining of petroleum – Composition and uses of main petroleum fractions.	2	12	Power point presentation

	Cracking – Thermal and catalytic cracking .	2		
	Types of catalytic cracking Advantages of catalytic cracking.	2		
	Octane number – Antiknock agents – Unleaded petrol – Cetane number – Anti diesel knock agents.	3		
	Industrial uses of isopropanol, ethylene glycol, glycerin, acetone and phenol.	3		
IV	Pharmaceutical Chemistry Common diseases – infective diseases – insect borne – air borne – water borne – hereditary diseases.	3	12	Power point presentation
	Nervous disorder – epilepsy— Prevention and treatment.	2		
	Definition and examples of analgesics, antipyretics, anti- inflammatory.	2		
	Sulpha drugs, antimalarials and antibiotics.	2		
	Indian medicinal plants – tulsi, neem, keezhanelli – their importance.	3		
V	Applied Chemistry Lubricants-classification-criteria of good lubricating oils-synthetic lubricating oils.	3	12	Chalk and Talk
	Poly glycols and poly alkene oxides- greases or semi solid lubricants-examples moth ball.	4		
	Preparation and uses of shampoo, nail polish, tooth paste, boot polish,	2		
	Chalk piece, writing inks, gum paste, talcum powder, chalk crayons, agar battis and phenyl	3		

Date of CIAs: As per college calendar/need based amendments.

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Course Teacher

SRI SARADA COLLEGE FOR WOMEN (Autonomous)
TIRUNELVELI 627011
COURSE TEACHING/LECTURE/EXAM PLAN

Department	Name of the faculty/s for the course	Academic year	Class
Chemistry	K.Lakshmi	2022-2023	III B.Sc Chemistry
Semester	Course code	Course title	
VI	22UCHC61	Bioinorganic Chemistry and Coordination Chemistry	

Title of the book (Text/Reference)	Author/s	Edition & Publisher
Principles of Inorganic Chemistry	B. R. Puri, L. R. Sharma, K. C. Kalia	2016 (1) & Vishal Publishing & Co, Jalandhar
Inorganic Chemistry	P.L.Soni	2017 (20) & Sultan Chand & Company, New Delhi.

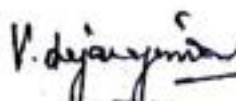
Unit No	Topics	No. of hours	Proposed days/date	Remarks- Faculty/ Teaching aids
I	CO-ORDINATION CHEMISTRY-I Introduction: IUPAC nomenclature, Ligands- monodentate, bidentate, and polydentate ligands;	3	15	Chalk and Talk
	Coordination sphere; coordination number; nomenclature of mononuclear and dinuclear complexes.	4		
	Structural and stereoisomerism in tetrahedral, square planar and octahedral complexes.	4		
	Valence Bond theory – applications of valence bond theory to tetrahedral, square planar and octahedral complexes- Merits and limitations of VB theory.	4		
II	CO-ORDINATION CHEMISTRY II Crystal field theory - splitting of d-orbitals in octahedral and tetrahedral complexes - factors affecting the magnitude of crystal field splitting	3	15	Power point Presentation
	Effects of crystal field splitting - spectrochemical series - applications of CFT - magnetic properties and spectra of transition metal complexes	4		
	Crystal field stabilization energy and their uses - limitations of CFT - effective atomic number rule	3		
	Stability of complexes - step-wise and overall stability constants - factors affecting the stability of complexes - determination of stability constants.	5		
III	CO-ORDINATION CHEMISTRY III Labile and inert complexes - ligand substitution reactions in octahedral complexes:	5	15	Chalk and Talk
	Aquation, base hydrolysis and anation reactions - substitution reactions in square planar complexes.	5		

	Trans effect - theories of trans effect - mechanism of substitution reactions - redox reactions: inner-sphere and outer-sphere electron transfer reactions.	5		
IV	Metal Carbonyls Classification - General methods of preparation, physical and chemical properties. Bonding and structure of metal carbonyls - EAN rule.	5	15	Chalk and Talk
	Structures of metal carbonyls of Fe, Co, Ni, and Mn- [Ni(CO) ₄ , Fe(CO) ₅ , Cr(CO) ₆ , Mn ₂ (CO) ₁₀ , Co ₂ (CO) ₈ , Fe ₂ (CO) ₉]	5		
	Distinction of bridged and terminal carbonyl using IR spectra.	5		
V	Bio-Inorganic Chemistry Essential elements in biological systems - bulk, trace and ultra-trace elements in biosystems - Metallo biomolecules - classification	5	15	Power point Presentation
	Structure and functions of - hemoglobin, myoglobin, Chlorophyll, Vitamin B12. Metallo-Enzymes- Structure, reaction path and functions of carbonic anhydrase, carboxy peptidase, Cytochrome P.	5		
	Antibiotic- Ionophores. Na + and K + pumps and its functions. Metals and metal complexes in medicine [Platinum complexes, Copper complexes, Gold complexes.	5		

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SRI SARADA COLLEGE FOR WOMEN (Autonomous)

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Department	Name of the faculty/s for the course	Academic year	Class
Chemistry	R.Lakshmi Prabha	2023-2024	III B.Sc Chemistry
Semester	Course code	Course title	
VI	22UHC62	Organic Spectroscopy and Natural Products	

Title of the book (Text/Reference)	Author/s	Edition & Publisher
A text Book of Organic Chemistry	Bahl and Arun Bahl	2012 (21) & S. Chand and Sons, New Delhi
Elementary Organic Spectroscopy	Y.R. Sharma	2010 (4) & S.Chand & Company Ltd, New Delhi

Unit No	Topics	No. of hours	Proposed days/date	Remarks- Faculty/ Teaching aids
I	CARBOHYDRATES Classification-Monosaccharides- constitution of glucose and fructose. Reactions of glucose and fructose	3	15	Power point Presentation
	Osazone formation, Mutarotation and its mechanism, cyclic structure, pyranose and furanose forms.	4		
	Epimerisation-Chain lengthening and shortening of aldoses. Interconversions of aldoses and ketoses.	3		
	Disaccharides- sucrose- reactions and structure.	3		
	Polysaccharides – starch and cellulose (elucidation of structure not necessary).	2		
II	Alkaloids Introduction and functions of alkaloids.	3	15	Chalk and Talk
	Occurrence, classification, purification and isolation Structural elucidation of synthesis and biological properties of coniine	4		
	Occurrence, classification, purification and isolation Structural elucidation of synthesis and biological properties of coniine	4		
	Structure of quinine and atropine	4		
III	Terpenoids Introduction, Isoprene rule General methods of determining structure.	3	15	Chalk and Talk
	Structure and synthesis of citral, menthol and camphor.	5		

	Carotenoids: Introduction, geometrical isomerism, Structure determination	4		
	Synthesis of beta-carotene and vitamin-A	3		
IV	Vitamins and Hormones: Nomenclature of Vitamins –Biological functions of vitamins: Vitamin A (Retinol)	2	15	Chalk and Talk
	Vitamin B2 (Riboflavin), Vitamin B6 (Pyridoxine), Vitamin B12	3		
	Vitamin C, D and E (Structural elucidation & synthesis not required)	3		
	Hormones:Biological importance of thyroxine, testosterone and progesterone.	3		
	Chemotherapy: Definition, preparations and application of the following drugs: Sulpha drugs, sulphanilamide, sulphapyridine and sulphathiazole.	4		
V	Organic Spectroscopy UV-Visible Spectroscopy: Introduction, electronic transition, effect of conjugation, concept of chromophore and auxochrome, bathochromic, hypsochromic, hyperchromic and hypochromic shifts.	3	15	Power point Presentation
	UV-Vis spectra of conjugated dienes and solvent effect. Colour and light absorption.	2		
	IR Spectroscopy: Molecular vibrations – Finger print region- Identification of functional groups and interpretation of IRspectra.	5		
	NMR Spectroscopy: NMR phenomenon – chemical shift – factors influencing chemical shift (electro negativity, anisotropic effect), spin- spin coupling.	3		
	Application of NMR to simple molecules like ethyl alcohol, ethyl bromide, acetaldehyde, 1,1,2-tribromoethane and toluene. Simple problems involving UV, IR and NMRdata.	2		

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Department	Name of the faculty/s for the course	Academic year	Class
Chemistry	V.Raja Rajeswari	2023-2024	III B.Sc Chemistry
Semester	Course code	Course title	
VI	22UCHC63	Kinetics, Spectroscopy and Group Theory	

Title of the book (Text/Reference)	Author/s	Edition & Publisher
Principles of Physical chemistry	Puri, Sharma and Pathania	2017 (47) & Vishal Publishing Co, New Delhi.
Text Book of Physical chemistry	P.L.Soni	2011 (23) & Sultan Chand & Company, New Delhi

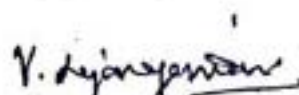
Unit No	Topics	No. of hours	Proposed days/date	Remarks- Faculty/ Teaching aids
I	Chemical Kinetics Rate of reaction-Measuring rates of reaction-expressing reaction rates- factors influencing rate-rate constant-Rate laws.	3	15	Power point Presentation
	Stoichiometry, order and molecularity of reactions- First order, second order, third order and zero order reactions and example. Characteristics of I,II,III and Zero order reactions.	3		
	Determination of order of reactions-expression for rate constant of first and second order reaction-derivation. Effect of temperature on rate constant.	3		
	The activation energy - determination of Arrhenius frequency factor and energy of activation-The collision theory of reaction rates and its limitation.	3		
	Lindemann theory of unimolecular reactions-The theory of Absolute reaction rates. Comparison of the collision theory with the Absolute reaction rate theory.	3		
II	Molecular Spectroscopy Electromagnetic radiation (EMR)-absorption and emission spectra – band spectra.	5	15	Chalk and Talk

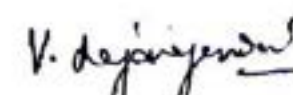
	Types of molecular spectra – rotational spectra – rotational spectra of diatomic molecules.	5		
	Frequencies separation – determination of moment of inertia and bond lengths	5		
III	Raman & IR Spectroscopy Raman spectroscopy: Principle - Rayleigh and Raman scattering	3	15	Chalk and Talk
	Stokes and Anti-stokes lines. Vibrational spectra	2		
	IR spectra of diatomic molecule – rotation vibration spectra of diatomic molecule	5		
	Applications of IR spectroscopy. Comparison of Raman and IR spectra	5		
IV	NMR, ESR and Mass Spectrometry Nuclear magnetic resonance spectroscopy: Introduction – chemical shift – NMR frequency – spin-spin coupling – spectra of ethanol- Applications of NMR spectroscopy.	5	15	Chalk and Talk
	Electron Spin resonance spectroscopy: Principle of hyperfine splitting – ESR spectra of hydrogen and methyl radical- Applications of ESR.	5		
	An introduction to mass spectrometry: Parent peaks – base peaks – isotopic peaks – metastable peaks – fragmentations – nitrogen rule and McLafferty rearrangement. Applications of massspectrometry.	5		
V	Group Theory Group theory– symmetry elements and symmetry operations – Definitions of Identity (E), proper rotation axis (n), Mirror plane (σ), Inversion center (i) and rotation-reflection axis (S_n)	5	15	Power point Presentation
	Symmetry operations generated by these symmetry elements using examples like H_2O , NH_3 , BF_3 , $PtCl_4^{2-}$, H_2O_2 (planar, <i>cis</i> and <i>trans</i>) and CH_4 .	5		
	Condition for a set of elements to form a group – Abelian and cyclic groups - Group multiplication table-Molecular point groups – assignment of pointgroups to simple molecule like H_2O and NH_3	5		

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Department	Name of the faculty/s for the course	Academic year	Class
Chemistry	R.Lakshmi Prabha & T.Rejila	2023-2024	III B.Sc Chemistry
Semester	Course code	Course title	
VI	19UCHE61A	Analytical Chemistry	

Title of the book (Text/Reference)	Author/s	Edition & Publisher
Elements of Analytical Chemistry	R.Gopalan, P.S.Subramanian, K.Rengarajan	2003 (3)& Sultan Chand & Sons, New Delhi
Analytical chemistry	Gary D. Christian	2004 (6)& John Wiley & Sons, New Delhi.

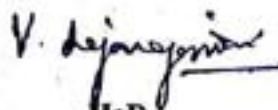
Unit No	Topics	No. of hours	Proposed days/date	Remarks- Faculty/ Teaching aids
I	Water Analysis Sampling and preservation of water samples – physical examination of water : colour, odour, turbidity, taste and electrical conductivity	4	15	Power point Presentation
	Chemical characterisation : pH, acidity, alkalinity, TDS, total, temporary, permanent, calcium and magnesium hardness, chloride, fluoride	4		
	BOD, COD, detergents and pesticides – residual chlorine and chlorine demand	4		
	Bacteriological examination : total and faecal coliforms	3		
II	Fuel Analysis Fuels – Introduction, types, Solid fuels : coal – classification – proximate analysis : moisture content, ash content, volatile matter and fixed carbon	4	15	Chalk and Talk
	Ultimate analysis : carbon, hydrogen, nitrogen, sulphur and oxygen – heating values – grading of coal – comparison of coal and coke	5		
	Liquid fuels : flash point, aniline point, octane number and carbon residues	3		
	Gaseous fuels : producer gas and water gas – calorific values. Extraction of petroleum, Comparison between solid, liquid and gaseous fuels.	3		
III	Electroanalytical Techniques Electrogravimetry : principle, instrumentation and applications.	3	15	Chalk and Talk
	Coulometry : constant current coulometry coulometric titrations – applications – potentiostatic coulometry	4		
	Polarography : principle – experimental assembly – working – advantages and disadvantages of DME – applications to qualitative and quantitative analysis.	4		
	Amperometric titrations : theory – apparatus – general procedures – applications – advantages.	4		

IV	Spectroanalytical and Thermoanalytical Methods Spectro analytical methods: principle, instrumentation and applications of colorimetry, spectrophotometry and fluorimetry	3	15	Chalk and Talk
	Light scattering techniques: nephelometry and turbidimetry.	3		
	Thermo analytical methods : principle, instrumentation and applications of TGA and DTA - characteristic features of TGA and DTA curves	3		
	Factors affecting TGA and DTA curves - simultaneous DTA - TGA curves - thermometric titrations.	3		
	Chromatography: paper, thin layer, HPLC, Ion Exchange and gas Chromatographic techniques.	3		
V	Errors and Data Analysis Definition and explanation with examples of the terms - mean, median, mode, range, deviation, mean deviation, relative mean deviation, standard deviation	5	15	Power point Presentation
	Coefficient of variation and variance - accuracy and precision - types of errors - random and systematic errors - methods of detection and elimination of systematic errors	5		
	Student's t-test - confidence levels - Q-test for rejection of result - curve fitting - method of least squares - significant figures and computational rules.	5		

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SRI SARADA COLLEGE FOR WOMEN (Autonomous)
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Department	Name of the faculty/s for the course	Academic year	Class
Chemistry	T.Rejila	2023-2024	III B.Sc Chemistry
Semester	Course code	Course title	
VI	19UCHE62A	Nano Chemistry	

Title of the book (Text/Reference)	Author/s	Edition & Publisher
Nano Technology	S.Shanmugam,	2010 (1) & MJP Publishers, Chennai.
Nanochemistry: A chemical approach to nanomaterial	Geoffrey A. Ozin and Andre C. Arsenault,	2005 (1) & RSC publishing, U.K.

Unit No	Topics	No. of hours	Proposed days/date	Remarks-Faculty/ Teaching aids
I	Introduction to Nano chemistry The Science of Nano – nanotechnology – nanochemistry – significance of nanoscale - factors responsible for special properties of nanomaterials.	4	12	Power point Presentation
	Classifications of nanostructured materials, nanoparticles; quantum dots, nanowires, ultra-thinfilms-multilayered materials.	4		
	Length Scales involved and effect on properties: Mechanical, Electronic, Optical, Magnetic and Thermal properties.	4		
II	Synthesis of Nano particles Introduction –Bottom-up Synthesis-Top-down Approach.	2	12	Chalk and Talk
	Physical methods: laser ablation, physical vapour deposition (PVD)	2		
	Chemical methods: thermolysis, sonochemical method, reduction methods, phase-transfer processes and biosynthesis of nanoparticles.	4		
	Synthesis of nanosized semiconductors: precipitation methods and thermal decomposition of complex precursors..	4		
III	Introduction to Nanostructures : Introduction- Carbon Nanotubes (CNT), Graphenes, Fullerenes, Nano Peapods, Quantum Dots and Semiconductor.	3	12	Chalk and

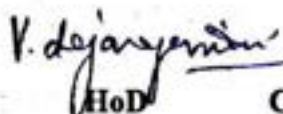
	Nanoparticles Metal- based Nanostructures (Iron Oxide Nanoparticles) Nanowires.	2		Talk
	Polymer- based Nanostructures including dendrimers.	2		
	Introduction to metal based nanostructures, Protein-based Nanostructures: Nanomotors: Bacterial (E. coli) and Mammalian (Myosin family)	4		
	Nanobiosensors: Science of Self-assembly - From Natural to Artificial Structures Nanoparticles	4		
IV	Characterization Methods Electron probe method- Scanning electron microscopy – Transmission electron microscopy	4	12	Chalk and Talk
	Spectroscopic Methods, - UV – Visible adsorption and emission spectroscopy,	4		
	Infra Red and Raman spectroscopy and X-ray diffraction methods (instrumentation and working).	4		
V	Applications of nanomaterials. Current applications: sunscreens and cosmetics – nano medicine, drug delivery and cancer diagnosis and therapy.	4	12	Power point Presentati on
	Food and drinks, textiles, chemical industry and electronic devices.			
	Short term applications - paints – fuel cells – displays – batteries – fuel additives and catalysts.	4		
	Long term applications- composites – lubricants – magnetic materials– medical implants – machinable ceramics – water purification and military battle suits.	4		

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COURSE TEACHING/LECTURE/EXAM PLAN

Department	Name of the faculty/s for the course	Academic year	Class
Computer Science	P. Anitha	2023-2024	I B.Sc computer science
Semester	Course code	Course Title	
II	23UCSSE21	Quantitative Aptitude	

Title of the book (Text/Reference)	Author/s	Edition & Publisher
Quantitative Aptitude	R.S.AGGARWAL	S.Chand & Company Ltd.,

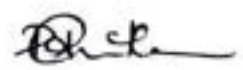
Unit No	Topics	No. of hours	Proposed days/date	Remarks-Facult Teaching aids
I	Numbers-HCF and LCM of numbers	2	6	Black Board
	Decimal fractions-Simplification	2		
	Square root and cube roots - Average-problems on Numbers.	2		
II	Problems on Ages - Surds and Indices	2	6	Black Board
	Percentage - profits and loss - Ratio and Proportion	2		
	Partnership- Chain rule.	2		
III	Time and work - Pipes and Cisterns - Time and Distance	2	6	Black Board
	Problems on trains -Boats and streams – Simple Interest - Compound Interest	2		
	Logarithms - Area-Volume and surface area -Races and Conditions-Games of skill.	2		
IV	Permutation and combination-probability	2	6	Black Board
	True Discount-Bankers Discount	2		
	Height and Distances-Odd man out & Series.	2		
V	Calendar - Clocks - stocks and shares	2	6	Black Board
	Data representation - Tabulation – Bar Graphs	2		
	Pie charts-Line graphs.	2		

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Department	Name of the faculty/s for the course	Academic year	Class
Computer Science	Dr.V.Vallinayagi	2021-2022	II B.Sc Computer Science
Semester	Course code	Course Title	
IV	19UCSA41	Microprocessors and Micro controllers	

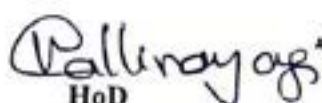
Title of the book (Text/Reference)	Author/s	Edition & Publisher
The Complete Reference ASP.NET	Mathew MacDonald,	2017 & McGraw-Hill Education.
ASP.NET and VB.NET Programming.	Matt J.Crouch	2002 (1) & Pearson Education

Unit No	Topics	No. of hours	Proposed days/date	Remarks-Faculty/ Teaching aids
I	Introduction to 8085 Assembly language-8085 programming model-microprocessor architecture and its operation	4	12	Lec ure
	Introduction to 8085 Architecture- Instruction-Programming technique and additional Instruction	4		
	counters-time delays- stack and subroutine-Interfacing I/O devices-Interrupts	4		
II	Intel 8086 microprocessor – Architecture – Instruction set and assembler directives	4	12	Lecture, PPT
	Addressing modes – Assembly language programming – Procedures	4		
	Macros – Interrupts and interrupt service routines	4		
III	8086 signals – Basic configurations – 8086 system and timings – Multiprocessor configurations	4	12	Black Board, Lecture
	Coprocessor, Closely coupled and loosely Coupled configurations	4		
	Introduction to 8087architecture and Instruction set			
IV	Memory Interfacing and I/O interfacing - Parallel communication interface – Serial communication interface	4	12	Black Board, Lecture & PPT
	Timer – Keyboard /display controller – Interrupt controller – DMA	4		
	controller – Programming and applications	4		
V	Microprocessor Application-interfacing –scanned multiplexed display and LCD 464-Memory design. Microcontroller	4	12	Lecture, PPT
	Applications: Keyboard interface-display interface. Interfacing DAC 1408/DAC/0808 with 8051	4		
	interface-display interface. Interfacing ADC 0803/0804/0805With8051	4		

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Course Teacher

Department	Name of the faculty/s for the course	Academic year	Class
Computer Science	Dr.K.Amutha & N.Vennila	2023-2024	1 B Sc computer science
Semester	Course code	Course Title	
II	23UCSC21	DATA STRUCTURE AND ALGORITHMS	

Title of the book (Text/Reference)	Author/s	Edition & Publisher
Data Structures and Algorithm Analysis in C++	Mark Allen Weiss	Pearson Education 2014, 4th Edition.

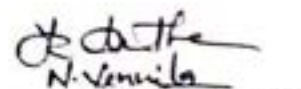
Unit No	Topics	No. of hours	Proposed days/date	Remarks-Faculty/Teaching aids
I	Abstract Data Types (ADTs)- List ADT-array-based implementation-linked list implementation singly linked lists	4	12	Black Board
	circular linked lists-doubly-linked lists- applications of lists- Polynomial Manipulation	4		
	All operations-Insertion-Deletion-Merge-Traversal	4		
II	Stack ADT-Operations- Applications- Evaluating arithmetic expressions	5	12	Black Board
	Conversion of infix to postfix expression-Queue ADT	3		
	Operations-Circular Queue- Priority Queue- dequeue applications of queues	4		
III	Tree ADT-tree traversals-Binary Tree ADT-expression trees-applications of trees	4	12	Black Board
	Binary search tree ADT Threaded Binary Trees-AVL Trees	4		
	B-Tree- B+ Tree – Heap-Applications of heap	4		
IV	Definition- Representation of Graph- Types of graph	4	12	Black Board
	Depth first traversal-Topological sort- Bi-connectivity	4		
	Cut vertex- Euler circuits-Applications of graphs.	4		
V	Searching- Linear search-Binary search-Sorting-Bubble sort-Selection sort	4	12	Black Board
	Insertion sort-Shell sort-Radix sort-Hashing-Hash functions	4		
	Separate chaining- Open Addressing-Rehashing Extendible Hashing	4		

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N.Vennila
Course Teacher

Department	Name of the faculty/s for the course	Academic year	Class
Computer Science	N.Vennila	2023-2024	1 B.Sc computer science
Semester	Course code	Course Title	
II	23UCSS2	Advanced Excel	

Title of the book (Text/Reference)	Author/s	Edition & Publisher
Microsoft Excel 2019 Pivot Table Data Crunching	Greg Harvey	Excel 2019 All-in-One for Dummies, 1st edition

Unit No	Topics	No. of hours	Proposed days/date	Remarks- Faculty/ Teaching aids
I	Basics of Excel- Customizing common options- Absolute and relative cells- Protecting and un-protecting worksheets and cells- Working with Functions	2	6	Black Board
	Writing conditional expressions - logical functions - lookup and reference functions- Vlookup with Exact Match, Approximate Match- Nested Vlookup with Exact Match- Vlookup with Tables, Dynamic Ranges	2		
	Nested Vlookup with Exact Match- Using VLOOKUP to consolidate Data from Multiple Sheets	2		
II	Data Validations - Specifying a valid range of values - Specifying a list of valid values- Specifying custom validations based on formula	2	6	Black Board
	Working with Templates Designing the structure of a template- templates for standardization of worksheets - Sorting and Filtering Data - Sorting tables- multiple-level sorting- custom sorting	2		
	Filtering data for selected view - advanced filter options- Working with Reports Creating subtotals- Multiple-level subtotal.	2		
III	Creating Pivot tables Formatting and customizing Pivot tables- advanced options of Pivot tables- Pivot charts	2	6	Black Board
	Consolidating data from multiple sheets and files using Pivot tables- external data sources- data consolidation feature to consolidate data	2		
	Show Value As % of Row, % of Column, Running Total, Compare with Specific Field- Viewing Subtotal under Pivot- Creating Slicers.	2		
IV	More Functions Date and time functions- Text functions- Database functions- Power Functions	2	6	Black Board
	Formatting Using auto formatting option for worksheets- Using conditional formatting option for rows, columns and cells	2		
	What If Analysis - Goal Seek- Data Tables- Scenario Manager	2		
V	Charts - Formatting Charts- 3D Graphs- Bar and Line Chart together- Secondary Axis in Graphs	2	6	Black Board
	Sharing Charts with PowerPoint / MS Word, Dynamically- New Features Of Excel	2		
	Sparklines, Inline Charts, data Charts- Overview of all the new features.	2		

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N.Vennila
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Department	Name of the faculty/s for the course	Academic year	Class
Computer Science	B.Bhuvanewari	202-2024	II B.Sc Computer Science
Semester	Course code	Course Title	
IV	19UCSC41	Visual Basic	

Title of the book (Text/Reference)	Author/s	Edition & Publisher
Visual Basic 6.0 Programming	Content Development Group	2010 & Tata McGraw-Hill publishing company limited, New Delhi.
VISUAL BASIC 6 in Record Time	Steve Brown	BPB Publication
VISUAL BASIC 6	Ground UP-GARY CORNELI	Tata McGraw Hill.

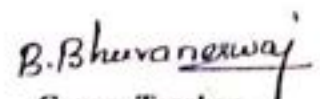
Unit No	Topics	No. of hours	Proposed days/date	Remarks- Faculty/ Teaching aids
I	Getting started with visual basic 6.0: Introduction to visual basic-Visual Basic 6.0 Programming Environment-Working with Forms	4	12	Lecture, Black Board
	Developing an application-variables, data types and modules-procedures and control Structures-Array in visual Basic-Additional Examples.	4		
	Working with controls: Introduction-creating and using controls-working with controls arrays-additional examples.	4		
II	Menus, Mouse events and dialog boxes: Introduction- Mouse events-Dialog Boxes -additional examples	4	12	Lecture, PPT
	Graphics, MDI and Flex Grid: Introduction-Graphics for applications	4		
	Multiple Document Interface (MDI)-using the flex grid control-Additional Examples.	4		
III	ODBC and Data Access Objects: Evolution of computer architectures- data access options-additional examples.	4	12	PPT
	ODBC using Data Access objects and Remote Data objects: Open Database connectivity (ODBC)-	4		
	Remote Data Objects-Additional Examples.	4		
IV	Data Environment and Data Report: Introduction-Data Environment Designer-Data Report-Additional examples.	3	12	Black Board
	Object linking and embedding: Introduction-OLE Fundamentals-Using OLE container controls	3		
	Using OLE Automation objects-OLE Drag and Drop-Additional examples.	3		
	Objects and classes: Introduction to objects- working with objects-classes and class modules-additional examples.	3		
V	Built-in ActiveX controls: Working with Built in ActiveX controls-	4	12	Lecture
	Additional examples. Working with ActiveX Data Objects: An overview of ADO and OLE DB	4		
	ADO object Model-Additional Examples.	4		

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SHI SARADA COLLEGE FOR WOMEN (Autonomous)
THIRUNELVELI 627011
COURSE TEACHING/LECTURE/EXAM PLAN

Department	Name of the faculty/s for the course	Academic year	Class
Computer Science Semester IV	S. Kanagasankari Course code 2201 SA41	2023-2024	B B Sc. Computer Science Course Title Programming with PHP

Title of the book (Text/Reference)	Author/s	Edition & Publisher
The Complete reference PHP	Steven Holzner	2008, Tata McGraw Hill
The Complete Reference MySQL	Vikram Vaswani	2004, Tata McGraw Hill
MySQL Crash course	Ben Fosta	2006, SAMS

Unit No	Topics	No. of hours	Proposed days/date	Remarks- Faculty/ Teaching aids
I	Introducing PHP: What is PHP? - What is MySQL? - Deciding on a Web Application Platform	4	12	Lecture
	Server-side Scripting Overview- Static HTML - Client Side Technologies	4		
	Server Side Technologies. PHP syntax and variables: Comments, Variable, The simple types	4		
II	Control structures and Functions: Boolean expressions- branching - Looping-Using Functions	4	12	Black board
	Defining your own Functions-Functions and variable scope.	4		
	Arrays: PHP arrays- Creating arrays - Retrieving values- Multidimensional Arrays	4		
III	File Handling : Opening files using fopen - looping over a files content with feof- reading text from a file using fgets - closing a file- reading character with fgetc	4	12	Lecture, PPT
	reading whole file with file_get contents reading a file into into an array with file-checking if a file exists-fscanf -parse_ini_file- Getting file information with stat	4		
	seek- copying files with copy- deleting files-writing to a file-reading and writing binary files -locking files.	4		
IV	A Technical Tour of MySQL: An Overview of MySQL architecture-The MySQL Engine. MySQL Data Types	4	12	PPT, Black board
	The need and Rationale for Data Types-MySQL Data types. MySQL operators	4		
	Arithmetic Operators-Comparison Operators-Logical operators-Bit Operators	4		
V	MySQL and PHP: History and Evolution - MySQL and PHP- Connection management	4	12	Lecture, PPT
	Query Execution - Result Set Processing functions	4		
	Error Handling - Ancillary Functions.	4		

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COURSE TEACHING/LECTURE/EXAM PLAN

Department	Name of the faculty/s for the course	Academic year	Class
Computer Science	N.Vennila	2023-2024	II B.Sc Computer Science
Semester	Course code	Course Title	
IV	22UCSS41	Information Security	

Title of the book (Text/Reference)	Author/s	Edition & Publisher
Information Security: An Overview	NHI	2019(1) & PHI
Information Security Principles and Practices	Mark Stamp	(2) & Wiley Publications
Information Security: The Complete Reference	Mark Rhodes & Ousley	(2) & Mcgraw Hill

Unit No	Topics	No. of hours	Proposed days/date	Remarks- Faculty/ Teaching aids
I	Basics of information security: Introduction – Information – Need for information security – What is an information security breach-What needs to be secured?	4	16	Lecture
	Who needs to be concerned on information security? Aspects of information security – Goals of information security – Establishing a Security Equation.	4		
	Information Security Threats: Introduction –What is a threat	4		
	Threats and Vulnerabilities – Threats, vulnerabilities and counter measures.- Types of threats	4		
II	Viruses: Introduction – Who creates a virus and why?- How does a virus spread	3	16	Lecture, PPT
	Types of viruses – Boot sector virus – file virus- Prevention from virus attacks	2		
	Impact of a virus attack – Security measures to prevent virus attacks	2		
	Antivirus Software – Types of Antivirus software- Deploying Antivirus software	2		
	Virus detection and recovery – Virus detection – Recovery from virus attacks- Backups	3		
III	Counter Measures – Authentication models used in cryptography – Implementation of cryptography.	5	16	Lecture, PPT
	Biometrics – Biometrics Authentication process – Biometrics Authentication methods – Areas where Biometrics is used	3		
	Risk Management: Introduction – What is Risk management – Need for risk management	3		
	Benefits of risk management – Important roles in risk management – The risk management process. Risk Assessment	4		
	Identifying the assets at risk – Assessing the value of assets – identifying the threats to the assets – identifying the vulnerabilities in an organization. Risk Analysis.	2		
IV	Security Policies: Introduction – What is security policy – need for security policy – people who are affected by security policies	3	12	Lecture, PPT
	Role of management in implementing security Policies- Components of a security policy – security policies and Trust.	3		
	Security Policy Life Cycle-Prerequisites for creating a Security policy – Design and Creation – Implementation – Compliance – Monitor and Review.	3		
	Key Security Policies- Acceptable use policy –Password policy – Remote Access policy – Virus prevention and Protection policy. Intrusion Detection.	3		
V	Security Audit: Introduction – Objectiveness of security audit – when is a security audit required	3	12	Lecture
	Auditor – Qualification of an auditor – role of an auditor – responsibilities of an auditor.	3		
	Conducting Security Audits – Auditing strategies – Phases of p a security audit	3		
	types of security audits. Sample Security Policy	3		

Date of CIAs: As per college calendar/need based amendments.

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SRI SARADA COLLEGE FOR WOMEN (Autonomous)
TIRUNELVELI 627011
COURSE TEACHING/LECTURE/EXAM PLAN

Department	Name of the faculty/s for the course	Academic year	Class
Computer Science	B.Bhuvanewari	202-2024	II B.Sc Computer Science
Semester	Course code	Course Title	
IV	22UCSC41	Visual Basic	

Title of the book (Text/Reference)	Author/s	Edition & Publisher
Visual Basic 6.0 Programming	Content Development Group	2010 & Tata McGraw-Hill publishing company limited, New Delhi.
VISUAL BASIC 6 in Record Time	Steve Brown	BPH Publication
VISUAL BASIC 6	Ground UP-GARY CORNELL	Tata McGraw Hill

Unit No	Topics	No. of hours	Proposed days/date	Remarks-Faculty/ Teaching aids
I	Getting started with visual basic 6.0: Introduction to visual basic-Visual Basic 6.0 Programming Environment-Working with Forms	4	12	Lecture, Black Board
	Developing an application-variables, data types and modules-procedures and control Structures-Array in visual Basic-Additional Examples.	4		
	Working with controls Introduction-creating and using controls-working with controls arrays-additional examples.	4		
II	Menus, Mouse events and dialog boxes: Introduction- Mouse events-Dialog Boxes -additional examples	4	12	Lecture, PPT
	Graphics, MDI and Flex Grid Introduction-Graphics for applications	4		
	Multiple Document Interface (MDI)-using the flex grid control-Additional Examples	4		
III	ODBC and Data Access Objects: Evolution of computer architectures- data access options-additional examples.	4	12	PPT
	ODBC using Data Access objects and Remote Data objects: Open Database connectivity (ODBC)-	4		
	Remote Data Objects-Additional Examples.	4		
IV	Data Environment and Data Report Introduction-Data Environment Designer-Data Report-Additional examples	3	12	Black Board
	Object linking and embedding Introduction-OLE Fundamentals-Using OLE container controls	3		
	Using OLE Automation objects-OLE Drag and Drop-Additional examples.	3		
	Objects and classes Introduction to objects- working with objects-classes and class modules-additional examples	3		
V	Built-in ActiveX controls Working with Built in ActiveX controls-	4	12	Lecture
	Additional examples Working with ActiveX Data Objects: An overview of ADO and OLE DB	4		
	ADO object Model-Additional Examples.	4		

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SRI SARADA COLLEGE FOR WOMEN (Autonomous)
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COURSE TEACHING/LECTURE/EXAM PLAN

Department	Name of the faculty/s for the course	Academic year	Class
Computer Science	P. Anitha	2023-2024	II B.Sc computer science
Semester	Course code		Course Title
IV	22UCSC42		Operating System

Title of the book (Text/Reference)	Author/s	Edition & Publisher
Operating system concepts	Abraham silberschatz	Wesley publishing company
OS Internal and design principles	William Stallings	PHI private limited
OS Design & Implementation	Andrew S.Tanenbaum	Prentice Hall of India Publication: New Delhi

Unit No	Topics	No. of hours	Proposed days/date	Remarks-Faculty/ Teaching aids
I	Introduction: What is an operating system: Mainframe Systems	4	12	Lecture, Black Board
	Desktop System-Multiprocessor Systems	4		
	Distributed Systems-Clustered System	4		
II	Process: Process Concept-Process Scheduling-Operations on Processes-Co-operating Processes.	4	12	Lecture, Black Board
	Inter Process Communication. CPU Scheduling: Basic Concepts-Scheduling Criteria-Scheduling Algorithms	4		
	Multiprocessor Scheduling-Real time Scheduling-Algorithm Evaluation	4		
III	Process Synchronization: Background-the Critical Section problem-Synchronization Hardware-Semaphores-Classical problems of Synchronization.	4	12	Lecture, PPT
	Critical Regions-Monitors-Atomic Transactions. Deadlocks: System Model-Deadlock Characterization-Methods of handling deadlocks	4		
	Deadlock prevention-Deadlock Avoidance-Deadlock Detection-Recovery from deadlock.	4		
IV	Memory Management: Background-Swapping-Contiguous Memory Allocation	4	12	Lecture, PPT
	Paging-Segmentation-Segmentation with paging. Virtual Memory: Background	4		
	Demand Paging-Page Replacement-Allocation of Frames.	4		
V	File System Interface: File Concept-Access Methods-File System Structure.	4	12	Lecture, PPT
	File System Implementation-Directories Structure-Directory Implementation	4		
	Allocation Methods-Free Space Management.	4		

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SRI SARADA COLLEGE FOR WOMEN (Autonomous)
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COURSE TEACHING/LECTURE/EXAM PLAN

Department	Name of the faculty/s for the course	Academic year	Class
Computer Science	S.Kanagasankari	2023-2024	II B.Sc. Computer Science
Semester	Course code	Course Title	
IV	19UCSC42	Programming with PHP	

Title of the book (Text/Reference)	Author/s	Edition & Publisher
The Complete reference PHP	Steven Holzner	2008, Tata McGraw Hill
The Complete Reference MYSQL	Vikram Vaswani	2004, Tata McGraw Hill
MySQL Crash course	Ben Forta	2006, SAMS

Unit No	Topics	No. of hours	Proposed days/date	Remarks- Faculty/ Teaching aids
I	Introducing PHP :What is PHP?- What is MySQL? – Deciding on a Web Application Platform.	4	12	Lecture
	Server- side Scripting Overview- Static HTML – Client Side Technologies	4		
	Server Side Technologies. PHP syntax and variables: Comments, Variable, The simple types	4		
II	Control structures and Functions: Boolean expressions- branching – Looping-Using Functions	4	12	Black board
	Defining your own Functions-Functions and variable scope.	4		
	Arrays: PHP arrays- Creating arrays – Retrieving values- Multidimensional Arrays	4		
III	File Handling : Opening files using fopen - looping over a files content with feof- reading text from a file using fgets - closing a file- reading character with fgetc	4	12	Lecture, PPT
	reading whole file with file_get contents reading a file into into an array with file-checking if a file exists-fscanf -parse_ini_file- Getting file information with stat	4		
	fseek- copying files with copy- deleting files-writing to a file-reading and writing binary files –locking files.	4		
IV	A Technical Tour of MySQL: An Overview of MySQL architecture-The MySQL Engine, MySQL Data Types	4	12	PPT, Black board
	The need and Rationale for Data Types-MySQL Data types, MySQL operators	4		
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SRI SARADA COLLEGE FOR WOMEN (Autonomous)
THRUNELVELI 627011
COURSE TEACHING/LECTURE/EXAM PLAN

Department	Name of the faculty/s for the course	Academic year	Class
Computer Science	N.Vennila	2023-2024	II B.Sc Computer Science
Semester	Course code	Course Title	
IV	19UCSC43	Information Security	

Title of the book (Text/Reference)	Author/s	Edition & Publisher
Information Security An Overview	NIT	2019(1) & PHI
Information Security Principles and Practices	Mark Stamp	(2) & Wiley Publications
Information Security: The Complete Reference	Mark Rhodes & Ousley	(2) & McGraw Hill

Unit No	Topics	No. of hours	Proposed days/date	Remarks-Faculty/Teaching aids
I	Basics of information security: Introduction – Information – Need for information security – What is an information security breach-What needs to be secured?	4	16	Lecture
	Who needs to be concerned on information security? Aspects of information security – Goals of information security – Establishing a Security Equation.	4		
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	Threats and Vulnerabilities – Threats, vulnerabilities and counter measures.- Types of threats	4		
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	Types of viruses – Boot sector virus – file virus- Prevention from virus attacks	2		
	Impact of a virus attack – Security measures to prevent virus attacks	2		
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	Role of management in implementing security Policies- Components of a security policy – security policies and Trust.	3		
	Security Policy Life Cycle-Prerequisites for creating a Security policy – Design and Creation – Implementation – Compliance – Monitor and Review.	3		
	Key Security Policies- Acceptable use policy –Password policy – Remote Access policy – Virus prevention and Protection policy. Intrusion Detection.	3		
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	Auditor – Qualification of an auditor – role of an auditor – responsibilities of an auditor.	3		
	Conducting Security Audits – Auditing strategies – Phases of a security audit	3		
	types of security audits. Sample Security Policy	3		

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COURSE TEACHING/LECTURE/EXAM PLAN

Department	Name of the faculty/s for the course	Academic year	Class
Computer Science	B.Bhuvanewari	2023-2024	II B.Sc Computer Science
Semester	Course code	Course Title	
IV	22UNCS4A	NME - Fundamentals of computer	

Title of the book (Text/Reference)	Author/s	Edition & Publisher
Introduction to Information Technology	ITL Education Solutions Limited	2009(2) & Pearson Education
Introduction to Computers	Peter Norton	2005 (7) & TMH
Fundamentals of Computers	V.Rajaram	(5) & PHI

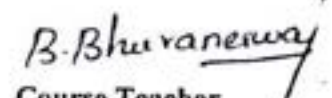
Unit No	Topics	No. of hours	Proposed days/date	Remarks Faculty/ Teaching aids
I	Computer Preliminaries: Introduction – Characteristics of a Computer – Generations of Computer – Applications of Computer	3	6	Lectur :
	Architecture of a Computer – Computer memory – Classification of Computers - Concepts of Hardware and Software.	3		
II	Peripheral Devices: Input Devices – Keyboard, Pointing Devices, Scanning Devices, Audio and Video input devices.	2	6	Lecture:
	Output Devices – Dot matrix printer, Ink-jet Printer, Laser Printer, Drum Plotter, Flatbed Plotter, Monitors, Projectors	2		
	Speaker, Headphone. Storage devices –Hard disk, Optical Storage devices, Solid State devices.	2		
III	Operating Systems: Introduction – types of User Interface – Functions of Operating System	3	6	Lecture, PPT
	Getting started with Windows – Windows Explorer – Windows setting – Creating Shortcuts – Windows Accessories.	3		
IV	Elements of Word Processing : Introduction to Microsoft Office – MS Word	2	6	Lecture, PPT
	Creating, Opening and Saving a Document – Menu Bar – Formatting the text	2		
	View Menu – Insert menu – Tools Menu – Table Manipulation	1		
	Window menu – Printing a document.	1		
V	Evolution of internet-internet basics-basics internet terms	3	6	Lecture
	connected to internet-browser and terms	3		

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COURSE TEACHING/LECTURE/EXAM PLAN

Department	Name of the faculty/s for the course	Academic year	Class
Computer Science	B BHUVANESWARI	2023-2024	III B.Sc. Computer Science
Semester	Course code	Course title	
II	19UCSE51A	Cloud Computing	

Title of the book (Text/Reference)	Author/s	Edition & Publisher
Cloud Computing	Michael Miller	2007(1) Pearson Education, New Delhi
Cloud Computing	V.K Pachghare	2016. PHI Learning PVT Ltd

Unit No	Topics	No. of hours	Proposed days/date	Remarks- Faculty/ Teaching aids
I	Cloud Computing Introduction, From Collaboration to cloud,	4	12	Lecture
	Working of Cloud Computing, Pros and Cons, Benefits,	4		
	Developing Cloud Computing Services, Cloud Service Development, Discovering Cloud Services.	4		
II	Cloud Computing For Everyone Centralizing Email Communications, Collaborating on To-Do Lists, Contact Lists	3	12	Black board
	Grocery Lists and Household Budgets, Cloud Computing for Community, Collaborating on Schedules	3		
	Collaborating on Group Projects and Events, Cloud Computing for Corporation,	3		
	Collaborating on Group Projects and Events, Cloud Computing for Corporation.	3		
III	Using Cloud Services Collaborating on Calendars, Schedules and Task Management, Exploring online Scheduling and Planning.	4	12	Lecture, PPT
	Collaborating on Event Management, Collaborating on Contact Management, Collaborating on Project Management, Collaborating on Project Management.	4		
	Collaborating on word Processing, Spreadsheets, and Databases, Collaborating on Presentations.	4		
IV	Outside the Cloud Evaluating Web Mail Services, Evaluating Instant Messaging	4	12	PPT, Black board
	, Evaluating Web Conference Tools, Creating Groups on Social Networks,	4		
	Evaluating on Line Groupware, Collaborating via Blogs and Wikis.	4		
V	Storing and Sharing Understanding Cloud storage, Evaluating online File Storage	4	12	Lecture
	Exploring online Book Marking Services, Exploring on Line Photo Editing Applications,	4		
	Exploring Photo Sharing Communities, Controlling it with Web Based Desktops.	4		

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COURSE TEACHING/LECTURE/EXAM PLAN

Department	Name of the faculty/s for the course	Academic year	Class
Computer Science	Dr.V Vallinayagi	2023-2024	III B.Sc Computer Science
Semester	Course code		Course Title
VI	22UCSC61		Microprocessors

Title of the book (Text/Reference)	Author/s	Edition & Publisher
The Complete Reference ASP.NET	Mathew MacDonald.	2017 & McGraw-Hill Education.
ASP.NET and VB.NET Programming.	Matt J.Crouch	2002 (1) & Pearson Education

Unit No	Topics	No. of hours	Proposed days/date	Remarks- Faculty/ Teaching aids
I	Introduction to 8085 Assembly language-8085 programming model-microprocessor architecture and its operation	4	12	Lecture
	Introduction to 8085 Architecture- Instruction-Programming technique and additional Instruction	4		
	counters-time delays- stack and subroutine-Interfacing I/O devices-Interrupts	4		
II	Intel 8086 microprocessor - Architecture - Instruction set and assembler directives	4	12	Lecture, PPT
	Addressing modes - Assembly language programming - Procedures	4		
	Macros - Interrupts and interrupt service routines	4		
III	8086 signals - Basic configurations - 8086 system and timings - Multiprocessor configurations	4	12	Black Board, Lecture
	Coprocessor, Closely coupled and loosely Coupled configurations	4		
	Introduction to 8087 architecture and Instruction set			
IV	Memory Interfacing and I/O interfacing - Parallel communication interface - Serial communication interface	4	12	Black board, Lecture & PPT
	Timer - Keyboard /display controller - Interrupt controller - DMA	4		
	controller - Programming and applications	4		
V	Microprocessor Application-interfacing -scanned multiplexed display and LCD 464-Memory design, Microcontroller	4	12	Lecture, PPT
	Applications: Keyboard interface-display interface, Interfacing DAC 1408/DAC/0808 with 8051	4		
	interface-display interface, Interfacing ADC 0803/0804/0805 With 8051	4		

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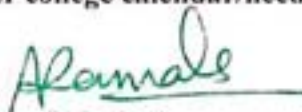
Department	Name of the faculty/s for the course	Academic year	Class
Computer Science	Dr.K.Amutha	2023-2024	III B Sc Computer Science
Semester	Course code	Course Title	
VI	19UCSC62	Data Communication and Networks	

Title of the book (Text/Reference)	Author/s	Edition & Publisher
Data communications and computer networks	Praksh C. Gupta	PHI 2006 (1)
Data communication and networking	Behrouz A forouzan	McGraw Hill, 2007 (4)
Computer Networks	Andrew S.Tanenbaum	PHI 2018 (4)

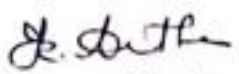
Unit No	Topics	No. of hours	Proposed days/date	Remarks-Faculty/ Teaching aids
I	Basic model of data communication system-data representation -data transmission-modes of data transmissions-digital signal encoding-unipolar lines codes	4	12	Lecture
	bipolar line codes-block codes-frequency spectrum- transmission channel-data compression-data communication	4		
	Transmission line characteristics-linear distortions-Metallic media-optical fiber-radio media-Bandpass transmission of data signals	4		
II	Error Control : Transmission errors-Coding for detection and correction of content errors-error detection methods- Forward error correction methods-Reverse error corrections.	3	12	Lecture
	Topology of computer network-Elements of meaningful communication-transport -oriented functions. Network Architecture : components of a computer network- architecture of a computer network	3		
	layered architecture of computer network-open system interconnections-layered architecture of the OSI reference model-functionality of the layered architecture	3		
	OSI terminology-service interface-data transfer modes-supplementary functions-Other layered architectures.	3		
III	The Physical Layer: Functions within the physical layer- Relaying function in the physical layer-physical layer standards. Needs for Data Link Control-	4	12	Lecture, PPT
	Data Link Layer:- Frame Design Considerations-Flow Control Mechanism- Data Link Error Control.	4		
	Binary Synchronous Communication Data link protocol-transmission frame-protocol operations.	4		
IV	LAN: Need for local area networks-LAN topologies-Media Access control-Layered architecture of LAN -IEEE standards-LLC sub layer-MAC sub layer	4	12	Lecture, PPT
	Transmission media for LANs. Contention access-carrier senses multiple access-CSMA/CD-physical topologies of Ethernet LAN-Ethernet Repeater-	4		
	Types of ethernet-10 Mbps Ethernet- fast Ethernet-flow control-Auto negotiation-Gigabit ethernet.	4		
V	Network Layer :Store and Forward Data Networks- Types of Packet Switched Data Networks – Purpose of the Network Layer . Transport Layer : Transport Layer – TCP operation	4	12	Lecture, PPT
	Flow Control in TCP – User Datagram Protocol(UDP). Application Layer : TCP/IP Application Protocols - Domain Name System(DNS)-Dynamic Host Configuration Protocol- Trivial File Transfer Protocol(TFTP) – Telnet	4		
	File Transfer Protocol (FTP) – Electronic Mail –Simple Network Management Protocol (SNMP) – World Wide Web(WWW) – Hypertext Transfer Protocol(HTTP)	4		

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TIRUNELVELI 627011
COURSE TEACHING/LECTURE/EXAM PLAN

Department	Name of the faculty/s for the course	Academic year	Class
Computer Science	S.Kanagasankari	2023-2024	III B.Sc Computer Science
Semester	Course code	Course Title	
VI	22UCSC63	Data Mining	

Title of the book (Text/Reference)	Author/s	Edition & Publisher
Introduction to data mining with case studies	G.K.Gupta	PHI
Data Ware housing Data mining and OLAP	Berson,ALEY	PHI
Data mining	Vikaram pudi, P.Radha Krishna	OXFORD university press

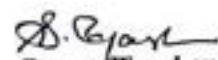
Unit No	Topics	No. of hours	Proposed days/date	Remarks-Faculty/ Teaching a ds
I	Introduction: what is data mining-why data mining now-the data mining process	4	12	Lecture
	data mining applications-data mining techniques-some data mining case studies	4		
	The feature of data mining-guidelines for successful data mining- data mining software	4		
II	Association rules Mining: Introduction- basic-the task and naive algorithm	3	12	Lecture
	the apriori algorithm-improving the efficiency of the apriori algorithm	3		
	mining frequent patterns without candidate generation	3		
	performance evaluation of algorithms-Software of association rule mining.	3		
III	Classification : Introduction-Decision tree-building a decision tree the tree induction algorithms	4	12	Lecture, PPT
	split algorithm based on the information theory-decision tree rules	4		
	decision tree summary-naive bays method-other evaluation criteria for classification methods-classification software.	4		
IV	Cluster analysis: what is cluster analysis-desires features of cluster analysis-types of data-computing distance	4	12	Lecture, PPT
	Types of cluster analysis methods-Partitional methods-Hierarchical methods	4		
	Dealing with large databases-cluster analysis software	4		
V	Web Mining: Introduction-Web Technology and Characteristics-Locality and Hierarchy in the web	4	12	Lecture, PPT
	Web Usage Mining. Web usage mining-Web Structure mining- Web mining Software	4		
	Data mining Tools: Rapid miner-Weka-KNIME-Orange-SQL Server Data tools (SSDT)	4		

Date of CIAs: As per college calendar/need based amendments.

Date:


Principal


HoD


Course Teacher

SRI SARADA COLLEGE FOR WOMEN (Autonomous)
TIRUNELVELI 627011
COURSE TEACHING/LECTURE/EXAM PLAN

Department	Name of the faculty/s for the course	Academic year	Class
Computer Science	P.Anitha	2023-2024	III B.Sc Computer Science
Semester	Course code	Course Title	
VI	22UCSC64	Computer Graphics and Visualization	

Title of the book (Text/Reference)	Author/s	Edition & Publisher
Computer Graphics C Version	Donald Hearn, M.Pauline Baker,	1996(2), Prentice Hall
Multimedia in Action	James E.Shuman	1997 (1), Vikas Publishing House
Computer Graphics	Apurva Desai	2008 (Eastern Economy Edition)

Unit No	Topics	No. of hours	Proposed Days/Date	Remarks-Faculty/ Teaching aids
I	Overview of Graphics System: Video Display devices - input devices-hard copy Devices-Graphics Software. Output Primitives:	4	12	Lecture
	Points and Lines-Line drawing algorithms-DDA Algorithm-Bresenham's line Algorithm. Circle drawing Algorithms:	4		
	Properties of Circles-Midpoint Circle algorithm - Filled area primitives.	4		
II	Attributes of Output Primitives: Lines attributes - Curve attributes - Character attributes.	3	12	Lecture
	Two Dimensional Geometric Transformation: Basic Transformation-Matrix representations-	3		
	Homogenous co-ordinates-Composite and other Transformation	3		
III	Two Dimensional Viewing: The Viewing Pipeline, Viewing co-ordinates references frame-Window to viewport coordinate transformation	4	12	Lecture, PPT
	two dimensional viewing function. Clipping Operations: Point Clipping-Line clipping	4		
	(Only Cohen-Sutherland line clipping)-Polygon clipping(only Sutherland- Hodgeman polygon clipping)	4		
IV	Interactive Input Methods: Input of graphical data- Input functions-Three Dimensional Display Methods.	4	12	Lecture, PPT
	Three Dimensional Viewing: Projection Visible Surface Detection	4		
	Methods, Back-Face Detection-Depth Buffer Method	4		
V	Multimedia Introduction: What is multimedia?- Hardware component of a multimedia system.	4	12	Lecture, PPT
	Multimedia elements: Text and Graphics-Sound- Animation-Video-issues and trends	4		
	Multimedia content preparation	4		

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Date:


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TIRUNELVELI 627011
COURSE TEACHING/LECTURE/EXAM PLAN

Department	Name of the faculty/s for the course	Academic year	Class
Computer Science	B.Bhuvanewari	2023-2024	III B.Sc Computer Science
Semester	Course code	Course Title	
VI	22UCSE61C	Internet of Things	

Title of the book (Text/Reference)	Author/s	Edition & Publisher
Internet of Things - A Hands-on Approach	Arshdeep Bahga and Vijay Madisetti	Universities Press
Internet of Things	Vlasios Tsialis, Jan Holler, Catherine Mulligan	AP Publications
Introduction to IoT	Sudip Misra, Anandarup Mukherjee, Arjit Roy	McGraw Hill publication

Unit No	Topics	No. of hours	Proposed days/date	Remarks- Faculty/ Teaching aids
I	Introduction to Internet of Things- Introduction	3	12	Lecture
	Physical Design of IoT-Logical Design of IoT	3		
	IoT Enabling Technologies	3		
	IoT Levels & Deployment Templates	3		
II	Domain Specific IoTs - Home Automation	3	12	Lecture
	Cities -Environment-Energy-Retail	3		
	Logistics-Agriculture- Industry	3		
	Health & Lifestyle	3		
III	IoT and M2M - Introduction - M2M	3	12	Black Board, Lecture
	Difference between IoT and M2M	3		
	SDN for IoT	3		
	NFV for IoT	3		
IV	IoT System Management with NETCONF-YANG	4	12	Black Board, Lecture & PPT
	Need for IoT Systems Management - Simple Network Management Protocol	4		
	Limitation of SNMP-Network Operator Requirements - NETCONF - YANG	4		
V	IoT Platforms Design Methodology - Introduction - IoT Design Methodology.	4	12	Lecture, PPT
	Purpose & Requirements Specification - Process Specification - Domain Model Specification	4		
	Information Model Specification - Service Specification - IoT Level Specification - Functional View Specification- Application Development	4		

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Date:

A. Anand
Principal

B. Bhuvanewari
HoD

B. Bhuvanewari
Course Teacher

SRI SARADA COLLEGE FOR WOMEN (Autonomous)
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COURSE TEACHING/LECTURE/EXAM PLAN

Department	Name of the faculty/s for the course	Academic year	Class
Computer Science	Dr. V. Vallinayagi & B. Bhuvanewari	2023-2024	I M.Sc Computer Science
Semester	Course code	Course title	
II	23PCSC21	Data Mining And Warehousing	

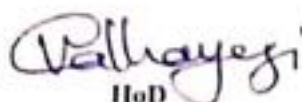
Title of the book (Text/Reference)	Author/s	Edition & Publisher
Data Mining: Introductory and Advanced Topics	Margaret H. Dunham,	Pearson education,2003
Data Warehousing Concepts, Techniques, products and Applications	C.S.R. Prabhu	PHI, Second Edition

Unit No	Topics	No. of hours	Proposed days/date	Remarks- Faculty/ Teaching aids
I	Basic data mining tasks – data mining versus knowledge discovery in databases	4	15	Lecture
	data mining issues – data mining metrics – social implications of data mining – data mining from a database perspective. Data mining techniques:	4		
	Introduction – a statistical perspective on data mining	4		
	similarity measures – decision trees – neural networks – genetic algorithms	3		
II	Classification: Introduction – Statistical – based algorithms	4	15	Lecture
	distance – based algorithms- decision tree - based algorithms	4		
	neural network – based algorithms	4		
	rule - based algorithms – combining techniques.	3		
III	Clustering: Introduction – Similarity and Distance Measures – Outliers – Hierarchical Algorithms - --	2	15	Lecture, PPT
	Partitional Algorithms. Association rules: Introduction - large item sets	3		
	basic algorithms – parallel & distributed algorithms – comparing approaches- incremental rules	4		
	advanced association rules techniques – measuring the quality of rules.	6		
IV	Data warehousing: introduction - characteristics of a data warehouse – data marts – other aspects of data mart –	3	15	Lecture, PPT
	Online analytical processing: introduction - OLTP & OLAP systems	4		
	Datamodeling -star schema for multidimensional view -data modeling – multifactstar schema or snow flake schema	4		
	OLAP TOOLS – State of the market – OLAP TOOLS and the internet.	4		
V	Developing a data WAREHOUSE: why and how to build a data warehouse –data warehouse architectural strategies and organization issues - --	3	15	Lecture,PPT
	design consideration – data content – metadata distribution of data – tools for data warehousing	4		
	performance considerations – crucial decisions in designing a data warehouse.	4		
	Applications of data warehousing and data mining in government: Introduction - national data warehouses – other areas for data warehousing and data mining.	4		

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Department	Name of the faculty/s for the course	Academic year	Class
Computer Science	P.Anitha & N.Vennila	2023-2024	I M.Sc Computer Science
Semester	Course code	Course title	
II	23PCSC22	Advanced Operating System	

Title of the book (Text/Reference)	Author/s	Edition & Publisher
Operating System Concepts	Abraham Silberschatz, Peter Baer Galvin, Greg Gagne	Seventh Edition, John Wiley & Sons, 2004.
Mukesh Singhal and Niranjan G. Shivaratri	Advanced Concepts in Operating Systems - Distributed, Database, and Multiprocessor Operating Systems	Tata McGraw-Hill, 2001.

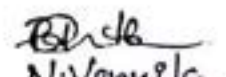
Unit No	Topics	No. of hours	Proposed days/date	Remarks- Faculty/Teaching aids
I	Basics of Operating Systems: What is an Operating System? - Main frame Systems - Desktop Systems	4	15	Lecture
	Multiprocessor Systems - Distributed Systems - Clustered Systems - Real-Time Systems - Handheld Systems - Feature Migration	4		
	Computing Environments - Process Scheduling - Cooperating Processes	4		
	Inter Process Communication- Deadlocks - Prevention - Avoidance - Detection - Recovery.	3		
II	Distributed Operating Systems: Issues - Communication	4	15	Lecture & PPT
	Lamport's Logical Clocks - Deadlock handling strategies	4		
	Primitives Issues in deadlock detection and resolution- distributed file systems	4		
	Design issues - Case studies - The Sun Network File System- Coda.	3		
III	Real time Operating Systems : Introduction - Applications of Real Time Systems	5	15	Lecture
	Basic Model of Real Time System - Characteristics - Safety and Reliability	5		
	Real Time Task Scheduling	5		
IV	Operating Systems for Handheld Systems: Requirements- Technology Overview	5	15	Lecture
	Overview- Hand held Operating Systems- PalmOS- Symbian Operating System	5		
	Android- Architecture of android- Securing handheld systems	5		
V	Linux System: Introduction - Memory Management - Process Scheduling	4	15	Lecture
	Scheduling Policy - Managing I/O devices - Accessing Files- iOS	5		
	Architecture and SDK Framework - Media Layer - Services Layer - Core OS Layer - File System.	6		

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N.Vennila
Course Teacher

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Department	Name of the faculty/s for the course	Academic year	Class
Computer Science	S.Kanagasankari	2023-2024	I M.Sc Computer Science
Semester	Course code	Course title	
II	23PCSC23	Advanced Java Programming	

Title of the book (Text/Reference)	Author/s	Edition & Publisher
Java Unleashed	Jamie Jaworski	SAMS Teclmedia Publications
The Java Tutorial	Campione, Walrath and Huml	AddisonWesley

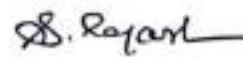
Unit No	Topics	No. of hours	Proposed days/date	Remarks-Faculty/ Teaching aids
I	Java Basics Review: Components and event handling	4	15	Lecture
	Threading concepts	4		
	Networking features	4		
	Media techniques	3		
II	Remote Method Invocation	4	15	Lecture
	Distributed Application Architecture	4		
	Creating stubs and skeletons Defining Remote objects	4		
	Remote Object Activation-Object Serialization-Java Spaces	3		
III	Java in Databases- JDBC principles	2	15	Lecture, PPT
	database access- Interacting- database search	3		
	Creating multimedia databases	4		
	Database support in web applications	6		
IV	Java Servlets: Java Servlet and CGI programming- A simple java Servlet-	3	15	Lecture, PPT
	Anatomy of a java Servlet-Reading data from a client- Reading http request header- -	4		
	sending data to a client and writing the http response header working with cookies Java Server Pages: JSP Overview-Installation-JSP tags-	4		
	Components of a JSP page-Expressions Scriptlets-Directives-Declarations-A complete example	4		
	JAR file format creation	3		
V	Internationalization	4	15	Lecture,PPT
	Swing Programming	4		
	Advanced java Techniques	4		
		4		

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Department	Name of the faculty/s for the course	Academic year	Class
Computer Science	Dr.V.Vallinayagi	2023-2024	I M.Sc Computer Science
Semester	Course code	Course title	
II	23PCSE21A	Artificial Intelligence & Machine Learning	

Title of the book (Text/Reference)	Author/s	Edition & Publisher
Artificial Intelligence	Elaine Rich and Kevin Knight	Tata McGraw Hill Publishers compan Ltd, Second Edition, 1991
Artificial Intelligence	George F Luger	4th Edition, Pearson Education Publ,2002

Unit No	Topics	No. of hours	Proposed days/date	Remarks- Faculty/ Teaching aids
I	Introduction: AI Problems - AI techniques	4	15	Lecture
	Criteria for success, Problems, Problem Spaces	4		
	Search: State space search - Production Systems	4		
	Problem Characteristics - Issues in design of Search.	3		
II	Heuristic Search techniques: Generate and Test - Hill Climbing- Best-First	4	15	Lecture
	Problem Reduction, Constraint Satisfaction, Means-end analysis.	4		
	Knowledge representation issues: Representations and mappings	4		
	Approaches to Knowledge representations -Issues in Knowledge representations - Frame Problem.	3		
III	Using Predicate logic: Representing simple facts in logic	2	15	Lecture, PPT
	- Representing Instance and Isa relationships - Computable functions and predicates	3		
	Resolution - Natural deduction. Representing knowledge using rules: Procedural Vs Declarative knowledge	4		
	Logic programming - Forward Vs Backward reasoning - Matching - Control knowledge.	6		
IV.	Understanding Machine Learning: What Is Machine Learning?	3	15	Lecture, PPT
	Defining Big Data-Big Data in Context with Machine Learning	4		
	The Importance of the Hybrid Cloud-Leveraging the Power of Machine Learning-The Roles of Statistics and Data Mining with Machine Learning	4		
	Putting Machine Learning in Context-Approaches to Machine Learning.	4		
V	Looking Inside Machine Learning	3	15	Lecture,PPT
	The Impact of Machine Learning on Applications	4		
	Data Preparation	4		
	The Machine Learning Cycle.	4		

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COURSE TEACHING/LECTURE/EXAM PLAN

Department	Name of the faculty/s for the course	Academic year	Class
Computer Science	Dr.K.Amutha	2023-2024	I M.Sc Computer Science
Semester	Course code	Course title	
II	23PCSE22A	Blockchain Technology	

Title of the book (Text/Reference)	Author/s	Edition & Publisher
Bitcoin and Cryptocurrency Technologies: A Comprehensive Introduction	Arvind Narayanan, Joseph Bonneau, Edward Felten, Andrew Miller and Steven Goldfeder	Princeton University Press (July 19, 20 6)
Mastering Bitcoin: Unlocking Digital Cryptocurrencies	Antonopoulos	

Unit No	Topics	No. of hours	Proposed days/date	Remarks-Faculty/ Teaching aids
I	Introduction to Blockchain - The big picture of the industry – size, growth, structure, players.	4	15	Lecture
	Bitcoin versus Crypto currencies versus Blockchain - Distributed Ledger Technology (DLT)	4		
	Strategic analysis of the space – Blockchain platforms, regulators, application providers.	4		
	The major application: currency, identity, chain of custody.	3		
II	Advantage over conventional distributed database	4	15	Lecture
	Blockchain Network, Mining Mechanism, Distributed Consensus	4		
	Blockchain 1.0, 2.0 and 3.0 – transition, advancements and features	4		
	Privacy, Security issues in Blockchain.	3		
III	Crypto currency - History, Distributed Ledger, Bitcoin protocols	2	15	Lecture, PPT
	Symmetric-key cryptography - Public-key cryptography - Digital Signatures -High and Low trust societies	3		
	Types of Trust model: Peer-to-Peer, Leviathan, and Intermediary.	4		
	Application of Cryptography to Blockchain	6		
IV	Crypto currency Regulation-Stakeholders	3	15	Lecture, PPT
	Roots of Bitcoin, Legal views-exchange of crypto currency	4		
	Black Market-Global Economy	4		
	Crypto economics–assets,supply and demand, inflation and deflation – Regulation.	4		
V	Opportunities and challenges in Block Chain – Application of block chain: Industry 4.0	3	15	Lecture,PPT
	Machine to machine communication –Data management in industry4.0–future prospects	4		
	Block chain in Health 4.0 - Blockchain properties - Healthcare Costs - Healthcare Quality	4		
	Healthcare Value - Challenges for using blockchain for healthcare data	4		

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COURSE TEACHING/LECTURE/EXAM PLAN

Department	Name of the faculty/for the course	Academic year	Class
Computer Applications	Smt P. Ansha	2023-2024	IBCA
Semester	Course code	Course title	
II	23UCASE21A	Quantitative Aptitude	
Title of the book (Text/Reference)	Author/s	Edition & Publisher	
Quantitative Aptitude	R.S. AGGARWAL	S. Chand & Company Ltd.	

Unit No	Topics	No. of hours	Proposed days/dates	Remarks- Faculty/Teaching aids
I	Numbers-HCF and LCM of numbers	2	6	Lecture, Blackboard
	Decimal fractions Simplification	2		
	Square root and cube roots - Average problems on Numbers	2		
II	Problems on Ages - Surds and Indices	2	6	Lecture, Black Board
	percentage - profits and loss - ratio and proportion	2		
	partnership-Chain rule	2		
III	Time and work - pipes and cisterns	2	6	Lecture, Black Board
	Time and Distance - problems on trains -Boats and streams	2		
	Simple interest - compound interest - Logarithms - Area-Volume and surface area -races and Games of skill	2		
IV	Permutation and combination-probability	2	6	Lecture, Black Board
	True Discount-Bankers Discount	2		
	Height and Distances-Odd man out & Series	2		
V	Calendar - Clocks	2	6	Lecture, Black Board
	Stocks and shares	2		
	Data representation - Tabulation - Bar Graphs- Pie charts, Line graphs	2		

Date of CIAs: As per college calendar/need based amendments.

Date:

Ramala
Principal

B. Parvathy
HoD

P. ANSHA
Course Teacher

SRI SARADA COLLEGE FOR WOMEN (Autonomous)
THIRUNEELVELI 627011
COURSE TEACHING/LECTURE/EXAM PLAN

Department	Name of the faculty/s for the course	Academic year	Class
Computer Applications	Ms T. KothaRajani	2023-2024	B15ML
Semester	Course code	Course title	
I	23UCAS2A	Office Automation	

Title of the book (Text/Reference)	Author/s	Edition & Publisher
Introduction to Computers	Peter Norton	Tata McGraw-Hill

UNIT	Topics	No. of hours	Proposed days/date	Remarks- Faculty/ Teaching aids
I	Introductory concepts: Memory unit- CPU-Input Devices: Keyboard, Mouse and Scanner. Output devices: Monitor, Printer	2	10	Blackboard teaching, PPT
	Introduction to Operating systems & its features: DOS- UNIX-Windows. Introduction to Programming Languages	2		
II	Word Processing: Open, Save and close word document, Editing text - tools, formatting, bullets; Spell Checker	2	10	Teaching PPT
	Document formatting - Paragraph alignment, indentation, headers and footers, numbering, printing-Preview, options, merge.	2		
III	Spreadsheets: Excel opening, entering text and data, formatting, navigating, Formulas- entering, handling and copying, Charts	2	10	PPT
	creating, formatting and printing, analysis tables, preparation of financial statements, introduction to data analytics.	2		
IV	Database Concepts: The concept of data base management system; Data field, records, and files, Sorting and indexing data, Searching records. Designing queries, and reports	2	10	Teaching blackboard,
	Linking of data files; Understanding Programming environment in DBMS; Developing menu drive applications in query language (MS-Access)	2		
V	Power point: Introduction to Power point - Features - Understanding slide typecasting & viewing slides - creating slide shows	2	10	Teaching PPT
	Applying special object - including objects & pictures - Slide transition- Animation effects, audio inclusion, timers.	2		

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Date:

Ravasa
Principal

B. Panthi
HoD

T. Kotha Rajani
Course Teacher

SRI SARADA COLLEGE FOR WOMEN (Autonomous)
THIRUNELVELI 627011
COURSE TEACHING/LECTURE/EXAM PLAN

Department	Name of the faculty/s for the course	Academy year	Class
Computer Applications	Ms S. VIMALA	2023 -2024	IIBCA
Semester	Course code	Course title	
IV	22UCAC41	Visual Basic	

Title of the book (Text/Reference)	Author/s	Edition & Publisher
Visual Basic 6.0 Programming	Content Development Group	1 & Tata McGraw-Hill Publication, New Delhi
Starting Out with Visual Basic	Tony Gaddis, Kip R. Irvine	7 & Pearson Publications, Chennai

Unit No	Topics	No. of hours	Proposed days/date	Remarks- Faculty/ Teaching aids
I	Getting started with Visual Basic 6.0: Introduction to Visual Basic, Visual Basic 6.0 Programming Environment,	4	12	Lecture, BlackBoard, PPT
	Working with Forms, Developing an Application, Variables, Datatypes and Modules,	4		
	Procedures and Control Structures, Arrays in Visual Basic, Additional examples.	4		
II	Working with Controls: Introduction, Creating and Using Controls, Working with Control Arrays, Additional examples. Menus, Mouse Events and Dialog Boxes: Introduction, Mouse Events, Dialog Boxes, MDI-Grid controls-Additional examples	12	12	Lecture, BlackBoard, PPT
III	ODBC and Data Access Objects: Evolution of Computer Architectures, Data Access Options,	4	12	Lecture, BlackBoard, PPT
	Additional examples ODBC Using Data Access Objects and Remote	4		
	Data objects: Open Database Connectivity (ODBC), Remote Data Objects, Additional examples	4		
IV	Data Environment and Data Report: Introduction, Data Environment Designer, Data Report,	4	12	Lecture, BlackBoard, PPT
	Additional examples Object Linking and Embedding: Introduction, OLE Fundamentals,	4		
	Using OLE Container Controls, Using OLE Automation Objects, OLE Drag and Drop, Additional examples	4		
V	Built-in Active X Controls: Working with Built - In Active X Controls, creating Controls-Additional examples	4	12	Lecture, BlackBoard, PPT
	Working with Active X Data Objects: An Overview of ADO and OLEDB, ADO Object Model, Additional examples. Files, and File System Controls: Introduction,	4		
	File System Controls, Accessing Files, Interface with Windows, Additional examples	4		

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SRI SARADA COLLEGE FOR WOMEN (Autonomous)
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Department	Name of the faculty for the course	Academic year	Class
Computer Applications	Smt. G RAMANI MCA., M.Phil., SET	2023-2024	II BCA
Semester	Course code	Course title	
IV	22UCAC42	Operating System	
Title of the book (Text/Reference)		Author/s	
Operating system concepts		Abraham Silberschatz	
OS Internal and design principles		William Stallings	
OS Concept		Silberschatz Galvin	
		Addison Wesley publication, New Delhi, 2001(5)	
		PHI Publications New Delhi, 2003(5)	
		JohnWiley, New Delhi, 2010(8)	

Unit No	Topics	No. of hours	Proposed days/date	Remarks-Faculty/ Teaching aids
I	Introduction: What is an operating system: Mainframe Systems	2	3 days	PPT
	Desktop System-Multiprocessor Systems	3	3 days	Chalk and Talk
	Distributed Systems-Clustered System	3	2 days	PPT
II	Process: Process Concept-Process Scheduling-Operations on Processes	2	3 days	PPT
	Co-operating Processes-Inter Process Communication, CPU Scheduling: Basic Concepts-Scheduling Criteria	5	4 days	PPT
	Scheduling Algorithms-Multiprocessor Scheduling-Real time scheduling-Algorithm Evaluation.	5	2 days	PPT
III	Process Synchronization: Background-the Critical Section problem-Synchronization Hardware	2	3 days	Black board teaching
	Semaphores-Classical problems of Synchronization-Critical Regions-Monitors-Atomic Transactions, Deadlocks: System Model	4	2 days	Black board teaching
	Deadlock Characterization-Methods of handling deadlocks-Deadlock prevention-Deadlock Avoidance-Deadlock Detection-Recovery from deadlock	4	5 days	PPT
IV	Memory Management: Background-Swapping-Contiguous Memory Allocation-Paging	3	3 days	Black board teaching
	Segmentation-Segmentation with paging, Virtual Memory	4	5days	PPT
	Background-Demand Paging-Page Replacement-Allocation of Frames	5	5 days	Black board teaching
V	File System Interface: File Concept-Access Methods-File System Structure	3	3 days	PPT
	File System Implementation-Directories Structure-Directory Implementation	3	3 days	PPT
	Allocation Methods-Free Space Management	6	4 days	PPT

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G. RAMA WI
Course Teacher

SRI SARADA COLLEGE FOR WOMEN (Autonomous)
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COURSE TEACHING/LECTURE/EXAM PLAN

Department	Name of the faculty / start of course	Academic year	Class
Computer Applications	Ms.M VINOTHINI	2023-2024	BBCA
Semester	Course code	Course title	
IV	22UCAC41	Computer Networks	
Title of the book (Text/Reference)		Author/s	Edition & Publisher
Computer Networks		Andrew S. Tanenbaum, Nickolas J. carrier	6 th 2019 & Pearson Education, New Pradesh
Data Communications and Net working		Forouzan	5 th 2015, Tata McGraw hill publications, New Delhi

Unit No	Topics	No. of hours	Proposed days/date	Remarks-Faculty/ Teaching aids
I	Uses of Computer Network, Network Hardware Reference Models, OSI Reference Model	4	12	Lecture, Black Board, PPT
	TCP/IP Reference Models-Comparison of OSI and TCP/IP- Critique of OSI and Protocols	4		
	Critique of the TCP/IP Reference Models	4		
II	Physical Layer Guided Transmission Media - Magnetic Media-Twisted pair Coaxial cable-Fiber Optics- Wireless	4	12	Lecture, Black Board, PPT
	Transmission Electromagnetic Spectrum- Radio Transmission-Microwave Transmission-Infrared and	4		
	Millimeter waves-Light waves-Communication Satellites - Geostationary, Medium -Earth orbit, low earth-orbit Satellites- Satellites versus	4		
III	Data Link Layer Error Detection and Correction- Elementary Data Link protocols-Sliding window	4	12	Lecture, Black Board, PPT
	Protocols, Medium-Access Control Sublayer Multiple	4		
	Access Protocols-Wireless LANs- Broadband Wireless - Bluetooth	4		
IV	Network Layer: Routing Algorithms- Congestion Control Algorithms	4	12	Lecture, Black Board, PPT
	Transport Layer Elements Transport protocols	4		
	Internet Transport protocols-TCP	4		
V	Application Layer: DNS - E - Mail - Network Security - Cryptography	4	12	Lecture, Black Board, PPT
	Symmetric Key Algorithms	4		
	Public Key Algorithms-Digital Signature	4		

Date of CIAs: As per college calendar/need based amendments.

Date:

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M. VINOTHINI
Course Teacher

SRI SARADA COLLEGE FOR WOMEN (Autonomous)
THIRUNELVELI 627011
COURSE TEACHING/LECTURE/EXAM PLAN

Department	Name of the faculty/s for the course	Academic year	Class
Computer Applications	M.S. VIMALA	2023-2024	HBCA
Semester	Course code	Course title	
IV	22UCAC43	Essentials of E-Commerce	

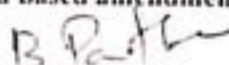
Title of the book (Text/Reference)	Author/s	Edition & Publisher
E-Commerce	David Whiteley	1 & Tata Mcgrawhill publications, New Delhi
Frontiers of E-commerce	Ravi Kalakodea	1 & DIANE Publishing, New Delhi

Unit No	Topics	No. of hours	Proposed days/date	Remarks-Faculty/ Teaching aids
I	Introduction to E-Commerce: Definition, Scope of E-Commerce	4	12	Lecture, BlackBoard, PPT
	Hardware requirements, E-commerce and Trade Cycle, Electronic Markets	4		
	Electronic Data Interchange and Internet Commerce.	4		
II	Business to Business E-Commerce: Electronic Markets,	4	12	Lecture, BlackBoard, PPT
	Electronic Data Interchange (EDI): Technology, Standards (UN/EDIFACT),	4		
	Communications, Implementations, Agreements, Security, EDI and Business, Inter-Organizational E-commerce.	4		
III	Legal issues [5L]: Risks: Paper Document vs. Electronic document, Authentication of Electronic document, Laws,	4	12	Lecture, BlackBoard, PPT
	Legal issues for Internet Commerce: Trademarks	4		
	Domain names, Copyright, Jurisdiction issues, Service provider liability, Enforceable online contract.	4		
IV	Security Issues: Security Solutions: Symmetric and Asymmetric Cryptosystems, RSA, DES,	4	12	Lecture, BlackBoard, PPT
	Digital Signature, Protocols for secure messaging, Secure Electronic Transaction (SET) Protocol, Electronic cash over internet, Internet Security. Business to Consumer	4		
	E-Commerce: Consumer trade transaction, Internet, Page on the Web, Elements of E-Commerce with VB, ASP, SQL.	4		
V	E-business: Internet bookshops, Software supplies and support	4	12	Lecture, BlackBoard, PPT
	Electronic Newspapers, Internet Banking, Virtual Auctions, Online Share Dealing	4		
	Gambling on the net, E-Diversity, Case studies through internet.	4		

Date of CIAs: As per college calendar/need based amendments.

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Course Teacher

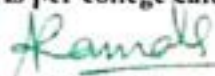
SRI SARADA COLLEGE FOR WOMEN (Autonomous)
TIRUNELVELI 627011
COURSE TEACHING/LECTURE/EXAM PLAN

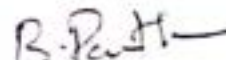
Department	Name of the faculty/s for the course	Academic year	Class
Computer Applications	MS. M. VINOOTHINI	2023 - 2024	II BCA
Semester	Course code	Course title	
IV	22NCA4A	Introduction To Internet with HTML	
Title of the book (Text/Reference)		Author/s	Edition & Publisher
World Wide Design with HTML		C.XAVIER	2003(1) & TMH Publications
HTML and CSS: Design and Build Websites		John Duckett	2011 & John Wiley & Sons Publication

Unit No	Topics	No. of hours	Proposed days/date	Remarks - Faculty/Teaching aids
I	Introduction To Internet: Computer is business-net working	4	12	Lecture, BlackBoard, PPT
	internet-e-mail-gopher-worldwide web	4		
	Internet Technologies- Internet Browsers.	4		
II	Introduction To Html: History of HTML- HTML generation and Documents	4	12	Lecture, BlackBoard, PPT
	Tags and Links	4		
	Head And Body Section.	4		
III	Designing Body Section: Ordered And Unordered List- Table Handling.	12	12	Lecture, BlackBoard, PPT
IV	Introduction to DHTML Features Of DHTML: Defining styles- Working with Colors - Text and Fonts with Style.	12	12	Lecture, BlackBoard, PPT
V	FRAMES Frameset Definition: Nested frames- A web design project - forms.	12	12	Lecture, BlackBoard, PPT

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M.VINOOTHINI
Course Teacher

SRI SARADA COLLEGE FOR WOMEN (Autonomous)
TIRUNELVELI 627011
COURSE TEACHING/LECTURE/EXAM PLAN

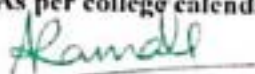
Department	Name of the faculty/s for the course	Academic year	Class
Computer Applications	Ms. F. KothaRagavi	2023-2024	III BCA
Semester	Course code	Course title	
VI	22UCAC61	Microprocessor	

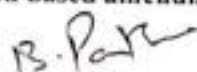
Title of the book (Text/Reference)	Author/s	Edition & Publisher
Microprocessor Architecture Programming and Applications with the 8085	Ramesh S. Goanker	Penram International Publisher, Mumbai

UNIT	Topics	No. of hours	Proposed days/date	Remarks- Faculty/ Teaching aids
I	Microprocessors, microcomputer and assembly language: Microprocessors – Microprocessors Instruction set and Computer Languages – Computers to single chip microcontrollers.	4	12	Blackboard teaching, PPT
	Mention to 8085 assembly language Programming – The 8085 Programming model action Classification –	4		
	Instruction, data format and storage – How to write, store and execute simple program, Overview of 8085 instruction set.	4		
II	Microprocessor architecture and micro-computer systems: Microprocessor Architecture and its operations – Memory – Input and Output (I/O) –	4	12	Blackboard teaching
	Eg of a Micro Computer System. Microprocessor Architecture and Memory interfacing	4		
	: The 8085 MPU – Eg 8085 based microcomputer - Memory interfacing - Interfacing the 8155 memory	4		
III	Data transfer operation: Arithmetic operations – Logic operations – Branch operations - Writing assembling Language– Debugging a program. Programming techniques with additional Instruction:	4	12	Blackboard teaching, PPT
	Programming techniques – Counting and Indexing – Additional data transfer and 16-bit arithmetic operations –	4		
	Arithmetic operations related to memory - Logic operations related to memory - Logic operations – Rotate – Dynamic debugging.	4		
IV	Counters and time delays: Counters Time Delays – Hexa decimal counter. Modulo ten counter –	4	12	Blackboard teaching
	Pulse Wave forms – Debugging counter and time Delay programs.	4		
	Subroutine: Stack – Subroutine Restart – Conditional call and Return subroutine	4		
V	Conversations And Software Simulations: BCD to Binary conversion – Binary to BCD conversion - BCD to seven segment–	4	12	Blackboard teaching, PPT
	LED code conversion – BCD addition – BCD Subtraction – Multiplication- Subtraction with carry	4		
	Introduction of coding microcontroller using assembly codes & simulator – architecture – features	4		

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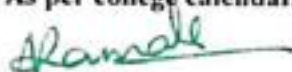
Department	Name of the faculty/s for the course	Academic year	Class
Computer Applications	Ms. T. Kotha Ragavi	2023-2024	III BCA
Semester	Course code	Course title	
VI	19UCAC62	Computer Graphics and Multimedia	

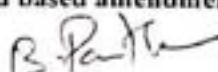
Title of the book (Text/Reference)	Author/s	Edition & Publisher
Computer Graphics Multimedia and Animation	Malay K. Pakira	2008 (I) PHI Learning Publication, New Delhi

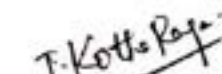
UNIT	Topics	No. of hours	Proposed days/date	Remarks- Faculty/ Teaching aids
I	Introduction: Application and Operations of Computer Graphics – Graphics Packages – Requirements of a Graphical System – GUI.	4	12	Blackboard teaching, PPT
	Input Output Devices: Common input Devices – Graphical Output Devices – Raster Scan Video Principle	4		
	Raster Scan CRT Monitors – Color Raster Scan System – Plasma Display – LCD – Hard Copy Raster Devices	4		
II	Scan Conversion: Methods – Polynomial Method – DDA algorithms for line drawing Algorithm- Circle- Ellipse- Parabola – Bresenham's Line Drawing Algorithm- Bresenham's Circle Drawing Algorithm –	4	12	Blackboard teaching
	Problem of Scan Conversion – Solid Areas Odd Even Methods.	4		
	Two Dimension Transformation: Translation – Scaling – Rotation-Transformation of Points and Objects	4		
III	Homogenous Coordinate System and Transformations – Reflection – Shearing	4	12	Blackboard teaching, PPT
	Three Dimension Transformations – Translation – Scaling – Rotation – Reflection – Shearing	4		
	2D Viewing and Clipping: Windows and View Ports – Viewing – Transformations – Clipping of lines in 2D – Cohen Sutherland Clipping Algorithms – Visibility	4		
IV	Midpoint Sub-division method – Parametric Clipping – Polygon Clipping – Sutherland Hodgeman Algorithm	4	12	Blackboard teaching
	Clipping against Concave Windows – Hidden Surface – Elimination – Black Face Removal Algorithm Z buffer	4		
	Concept of Multimedia: Types- Data Streams - Applications – Authoring digital Audio –	4		
V	MIDI – Image Compression – Video compression	4	12	Blackboard teaching, PPT
	Graphic File Formats BMP – GIF – JPEG – TIFF – PNG	4		
		4		

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SRI SARADA COLLEGE FOR WOMEN (Autonomous)
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COURSE TEACHING/LECTURE/EXAM PLAN

Department	Name of the faculty/s for the course	Academic year	Class		
Computer Applications	P.Anusha	2023-2024	III BCA		
Semester	Course code	Course title			
VI	22UCAC63	Data Mining			
Title of the Book		Author	Year(Edn)	Publisher/s	
Introduction to Data Mining with Case Studies		G.K.Gupta	2012(2)	PHI Publications, NewDelhi	
Data Warehousing, Data Mining and OLAP		Berson, Aley	2012(1)	PHI Publications, NewDelhi	
Unit	Detailed Syllabus	No. of hours	Proposed days/date	Remarks- Faculty/ Teaching aids	
I	Introduction: What is Data Mining - Why Data Mining Now - The Data Mining Process - Data Mining	4	12	Lecture, Blackboard, PPT	
	Applications - Data Mining Techniques - Some Data Mining Case Studies - The Features of Data Mining	4			
	Guidelines for Successful Data Mining - Data Mining Software	4			
II	Association Rule Mining: Introduction - Basics - The Task and Naïve Algorithm - The Apriori Algorithm -	4	12	Lecture, Blackboard, PPT	
	Improving the Efficiency of the Apriori Algorithm - Mining Frequent Pattern without Candidate Generation - Performance	4			
	Evaluation of Algorithm - Software of Association Rule Mining.	4			
III	Classification: Introduction - Decision Tree - Building a Decision Tree - The Tree Introduction Algorithm - Split Algorithm Based on the Information Theory	4	12	Lecture, Blackboard, PPT	
	Decision Tree Rules - Decision Tree Summary - Naïve Bayes Method -	4			
	Other Evaluation Criteria for Classification Methods - Classification Software.	4			
IV	Cluster Analysis: What is cluster Analysis - Desires Features of Cluster Analysis -	4	12	Lecture, Blackboard, PPT	
	Types of Data - Computing Distance - Types of Cluster Analysis Methods - Partitional Methods - Hierarchical Methods - Dealing with	4			
	Large Databases - Cluster Analysis Software.	4			
5	Web Data Mining: Introduction - Web Technology and Characteristics - Locality and Hierarchy in the Web -	4	12	Lecture, Blackboard, PPT	
	Web Content Mining - Web Usage Mining - Web Structure Mining - Web Mining Software - Data mining tools: Rapid miner- Weka-	4			
	KNIME-Orange—SQL server Data tools(SSDT).	4			

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P. ANUSHA
Course Teacher

SRI SARADA COLLEGE FOR WOMEN (Autonomous)
TIRUNELVELI 627011
COURSE TEACHING/LECTURE/EXAM PLAN

Department	Name of the faculty for the course	Academic year	Class
Computer Applications	Smt. G RAMANI MCA., M.Phil., SET	2023-2024	II BCA
Semester	Course code	Course title	
VI	22UCAC64	Artificial Intelligence	
Title of the book (Text/Reference)		Author/s	Edition & Publisher
Introduction to Artificial Intelligence		Wolfgang Ertel	Springer, 2017
Artificial Intelligence		Kevin Knight, Elaine	McGraw Hill Education NewDelhi, 2017
Introduction to Artificial Intelligence and Expert Systems		Patterson	PHI Publications, New Delhi, 2009

Unit No	Topics	No. of hours	Proposed days/date	Remarks-Faculty/ Teaching aids
I	Introduction: What is AI? – The History of AI – AI and Society – Agents	2	3 days	PPT
	Knowledge – Based Systems - Propositional Logic-Syntax-Semantics-Proof Systems	3	3 days	Chalk and Talk
	Resolution-Horn Clauses – Compatibility and Complexity – Applications and Limitations	3	2 days	PPT
II	First-order Predicate Logic – Syntax – Semantics	2	3 days	PPT
	Quantifiers and Normal Forms – imitations of Logic	5	4 days	PPT
	Logic Programming with PROLOG	5	2 days	PPT
III	Machine Learning and Data Mining – Data Analysis –The Perceptron a Linear Classifier	2	3 days	Black board teaching
	The Nearest Neighbor Method – Decision Tree Learning	4	2 days	Black board teaching
	Cross- Validation and Over fitting – The Naive Bayes Classifier	4	5 days	PPT
IV	Neural Networks – Hopfield Networks- Neural Associative Memory	3	3 days	Black board teaching
	The Back propagation Algorithm – Support Vector Algorithm	4	5days	PPT
	Deep Learning	5	5 days	Black board teaching
V	Reinforcement Learning :The Task	3	3 days	PPT
	Uniformed Combinatorial Search – Q- Learning	3	3 days	PPT
	Exploration and Exploitation	6	4 days	PPT

Date of CIAs: As per college calendar/need based amendments.

Date:

A. Ramani
Principal

B. Parthiban
HoD

G. RAMANI
Course Teacher

SRI SARADA COLLEGE FOR WOMEN (Autonomous)
TIRUNELVELI 627011
COURSE TEACHING/LECTURE/EXAM PLAN

Department	Name of the faculty/s for the course	Academic year	Class
Computer Applications	Ms.P.Anusha	2022-2023	III BCA
Semester	Course code	Course title	
VI	22UCAE61B	Internet of Things	

S. No.	Title of the Book	Author's	Year(Edn)	Publisher/s
1	Internet of Things - A Hands-on Approach	Arshdeep Bahga and Vijay Madisetti	2015	Universities Press

Unit	Detailed Syllabus	No. of hours	Proposed days/date	Remarks-Faculty/ Teaching aids
1	Introduction to Internet of Things- Introduction - Physical Design of IoT-	4	12	Lecture,BlackBoard,PPT
	Logical Design of IoT	4		
	IoT Enabling Technologies-IoT Levels & Deployment Templates.	4		
2	Domain Specific IoTs - Home Automation - Cities	4	12	Lecture,BlackBoard,PPT
	Environment-Energy-Retail	4		
	LogisticsAgriculture- Industry-Health & Lifestyle.	4		
3	IoT and M2M - Introduction - M2M -	4	12	Lecture,BlackBoard,PPT
	Difference between IoT and M2M	4		
	SDN and NFV for IoT	4		
4	IoT System Management with NETCONF-YANG - Need for IoT Systems Management	4	12	Lecture,BlackBoard,PPT
	Simple Network Management Protocol Limitations of SNMP	4		
	Network Operator Requirements - NETCONF - YANG.	4		
5	IoT Platforms Design Methodology - Introduction - IoT Design Methodology - Purpose & Requirements Specification -	4	12	Lecture,BlackBoard,PPT
	Process Specification - Domain Model Specification - Information Model Specification - Service Specification -	4		
	IoT Level Specification - Functional View Specification- Application Development.	4		

Date of CIAs: As per college calendar/need based amendments.

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Amala
Principal

B. Pantha
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PANUSHA
Course Teacher

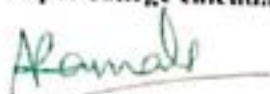
SRI SARADA COLLEGE FOR WOMEN (Autonomous)
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COURSE TEACHING/LECTURE/EXAM PLAN

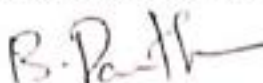
Department	Name of the faculty/s for the course	Academic year	Class
Computer Applications	Smt. G. RAMANI M.A., M.Phil., NET	2023-2024	150 A
Semester	Course code	Course title	
II	2HS AC 21	Data Structures and Algorithms	
Title of the book (Text/Reference)		Author/s	Edition & Publisher
Data Structures and Algorithms Using Python		Erico D. Niebler	John Wiley & Sons, 2011
Data Structures and Algorithms in Python		Michael T. Goodrich, Roberto Tamassia, Michael H. Goldwasser	John Wiley & Sons, 2013
Hands-On Data Structures and Algorithms with Python: Write complex and powerful code using the latest features of Python 3.7		Dr. Basant Agarwal, Benjamin and Haka	Packt Publishing, 2018
Python Algorithms: Mastering Basic Algorithms in the Python Language		Magnus Lie Hetland	Apress, 2014

Unit No	Topics	No. of hours	Proposed days/date	Remarks-Faculty/Teaching aids
I	Abstract Data Types: Introduction-Date Abstract Data Type-Flags-Iterators.	2	3 days	PPT
	Arrays: Array Structure-Python List-Two Dimensional Arrays-Matrix Abstract Data Type.	3	3 days	Chalk and Talk
	Sets, Maps, Sets- Maps- Multi-Dimensional Arrays.	3	2 days	PPT
II	Algorithm Analysis: Experimental Studies-Seven Functions-Asymptotic Analysis.	2	3 days	PPT
	Recursion: Illustrative Examples-Analyzing Recursive Algorithms-Linear Recursion	5	4 days	PPT
	Binary Recursion- Multiple Recursion	5	2 days	PPT
III	Stacks, Queues, and Deques: Stacks- Queues- Double-Ended Queues Linked.	2	3 days	Black board teaching
	Lists: Singly Linked Lists-Circularly Linked Lists-Doubly Linked Lists.	4	2 days	Black board teaching
	Trees: General Trees-Binary Trees- Implementing Trees-Free Traversal Algorithms.	4	5 days	PPT
IV	Priority Queues: Priority Queue Abstract Data Type- Implementing a Priority Queue	3	3 days	Black board teaching
	Heaps- Sorting with a Priority Queue. Maps, Hash Tables, and Skip Lists	4	5 days	PPT
	Maps and Dictionaries-Hash Tables- Sorted Maps-Skip Lists-Sets, Multisets, and Multinaps	5	5 days	Black board teaching
V	Search Trees: Binary Search Trees-Balanced Search Trees-AVL Trees-Splay Trees -	3	3 days	PPT
	Sorting and Selection: Merge sort-Quick sort-Sorting through an Algorithmic Lens- Comparing Sorting Algorithms-Selection.	3	3 days	PPT
	Graph Algorithms: Graphs-Data Structures for Graphs-Graph Traversals- Shortest Paths-Minimum Spanning Trees	6	4 days	PPT

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G. RAMANI
Course Teacher

SRI SARADA COLLEGE FOR WOMEN (Autonomous)
TIRUNELVELI 627011
COURSE TEACHING/LECTURE/EXAM PLAN

Department	Name of the faculty/s for the course	Academic year	Class
Computer Applications	Dr.B.PARVATHI DEVI MCA, M.Phil., Ph.D	2023-2024	1 MCA
Semester	Course code	Course title	
II	23PCAE21A	Internet of Things	
Title of the book (Text/Reference)		Author/s	Edition & Publisher
IoT Fundamentals: Networking Technologies, Protocols and Use Cases for Internet of Things		David Hanes, Gonzalo Salgueiro, Patrick Grossetete, Rob Barton and Jerome Henry	2017, Cisco Press
Designing the Internet of Things		Adrian McEwen and Hakim Cassimally	2014, Wiley
Internet of Things – From Research and Innovation to Market Deployment		Ovidiu Vermesan and Peter Friess	2014, River Publishers
Learning Internet of Things		Peter Waher	2015, Packt Publishing

Unit No	Topics	No. of hours	Proposed days/date	Remarks-Faculty/ Teaching aids
I	Fundamentals of IOT: Evolution of Internet of Things, Enabling Technologies	2	3 days	PPT
	IOT Architectures: one2M2M, IOT World Forum (IOTWF) and Alternative IOT models	2	3 days	Chalk and Talk
	Simplified IOT Architecture and Core IOT Functional Stack	3	3 days	PPT
	Fog, Edge and Cloud in IOT ,Functional blocks of an IOT ecosystem	3	3 days	Chalk and Talk
	Sensors, Actuators, Smart Objects and Connecting Smart Objects.	3	2 days	PPT
II	IOI Protocols: IOT Access Technologies: Physical and MAC layers	3	3 days	PPT
	Topology and Security of IEEE 802.15.4, 802.15.4g, 802.15.4e, 1901.2a, 802.11ah and LoRaWAN	4	4 days	PPT
	Network Layer: IP versions, Constrained Nodes and Constrained Networks	2	2 days	PPT
	Optimizing IP for IOT: From 6LoWPAN to 6Lo, Routing over Low Power and Lossy Networks	3	3 days	Chalk and Talk
	Application Transport Methods: Supervisory Control and Data Acquisition	2	2 days	Chalk and Talk
	Application Layer Protocols: CoAP and MQTT.	2	2 days	PPT
III	Design and Development: Prototyping Embedded Devices: Electronics	3	3 days	Chalk and Talk
	Embedded Computing Basics , Arduino , Raspberry Pi	3	3 days	Chalk and Talk
	Beagle Bone Black , Electric Imp, Prototyping the Physical Design, Non digital Methods	4	4 days	PPT
	Laser Cutting - 3D printing	2	2 days	PPT
	CNC Milling - Repurposing/Recycling	2	2 days	PPT
IV	Prototyping Online Components: Getting started with an API	3	3 days	Chalk and Talk
	Writing a New API - Real-Time Reactions ,Other Protocols	4	2 days	PPT
	Techniques for Writing Embedded Code: Memory Management	3	3 days	Chalk and Talk
	Performance and Battery Life :Libraries ,Debugging.	2	2 days	Chalk and Talk
V	Business Models: History of Business Models	3	3 days	PPT
	Internet of Starting up ,Lean Start ups, Moving to Manufacture	3	3 days	PPT
	Designing Kits - Designing Printed circuit boards	3	3 days	PPT
	Certification ,Costs - Scaling Up Software, Ethics: Privacy , Control Environment ,Solutions.	2	5 days	Chalk and Talk

Date of CIAs: As per college calendar/need based amendments.

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Course Teacher

SRI SARADA COLLEGE FOR WOMEN (Autonomous)
TIRUNELVELI 627011
COURSE TEACHING/LECTURE/EXAM PLAN

Department	Name of the faculty/s for the course	Academic year	Class
Computer Applications	Dr.B.PARVATHI DEVI MCA, M.Phil, Ph.D	2023-2024	IMCA
Semester	Course code	Course title	
II	23PCAS21A	Fundamentals of Human Rights	
Title of the book (Text/Reference)	Author/s	Edition & Publisher	
Human Rights in India: Prospective and Retrospective	Sudarshana Gankidi	Rawat Publications, Jaipur, 2019	
Human Rights in India, Routledge	Satvinder Juss	Rawat Publications New Delhi, 2020	
Social Justice and Human Rights in India	Narmita Gupta	Rawat Publications, Jaipur, 2021	
The Sociology of Human Rights	Mark Frezo	John Wiley & Sons, U.K. 2014.	

Unit No	Topics	No. of hours	Proposed days/date	Remarks-Faculty/ Teaching aids
I	Meaning and Definitions of Human Rights – Characteristics and Importance of Human Rights	2	3 days	PPT
	Evolution of Human Rights – Formation, Structure and Functions of the UNO	2	3 days	Chalk and Talk
	Universal Declaration of Human Rights – International Covenants	3	3 days	PPT
	Violations of Human Rights in the Contemporary Era	3	3 days	Chalk and Talk
II	Development of Human Rights in India	3	3 days	PPT
	Constituent Assembly and Indian Constitution	4	4 days	PPT
	Fundamental Rights and its Classification	2	2 days	PPT
	Directive Principles of State Policy	3	3 days	Chalk and Talk
	Fundamental Duties	2	2 days	Chalk and Talk
III	Rights of Marginalized and other Disadvantaged People: Rights of Women – Rights of Children	3	3 days	Chalk and Talk
	Rights of Differently Abled – Rights of Elderly – Rights of Scheduled Castes	3	3 days	Chalk and Talk
	Rights of Scheduled Tribes – Rights of Minorities	4	4 days	PPT
	Rights of Prisoners – Rights of Persons Living with HIV/AIDS	2	2 days	PPT
	Rights of LGBT	2	2 days	PPT
IV	Human Rights Movements: Peasant Movements (Telhaga and Telangana)	3	3 days	Chalk and Talk
	Scheduled Caste Movements (Mahar and Ad-Dharmi)	4	2 days	PPT
	Scheduled Tribes Movements (Santhal and Munda)	3	3 days	Chalk and Talk
	Environmental Movements (Chipko and Narmada Bachao Andolan)	2	2 days	Chalk and Talk
	Social Reform Movements (Vaikom and Self Respect).	2	2 days	PPT
V	Redressal Mechanisms: Protection of Human Rights Act, 1993 (Amendment 2019)	3	3 days	PPT
	Structure and Functions of National and State Human Rights Commissions	3	3 days	PPT
	National Commission for SCs – National Commission for STs	3	3 days	PPT
	National Commission for Women – National Commission for Minorities	2	3 days	Chalk and Talk
	Characteristics and Objectives of Human Rights Education.	2	2 days	PPT

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SRI SARADA COLLEGE FOR WOMEN (Autonomous)
TIRUNELVELI 627011
DEPARTMENT OF INFORMATION TECHNOLOGY
COURSE TEACHING/LECTURE/EXAM PLAN

Department	Name of the faculty/s for the course	Academic year	Class
Information Technology	Smt.N.Menaka	2023-2024	I IT
Semester	Course code	Course title	
II	23UITC21	Java Programming	


Title of the book (Text/Reference)	Author/s	Edition & Publisher
Programming with Java	E Balagurusamy	Tata McGraw Hill Edition India Private Ltd, 4th Edition
Java Programming	C Xavier	Tata McGraw Hill Edition Private Ltd

Unit No	Topics	No. of hours	Proposed days/date	Remarks-Faculty/ Teaching aids
I	Fundamentals of Object- Oriented Programming: Introduction – Object Oriented Paradigm	3	18	<ul style="list-style-type: none"> Black board PPT Slides LCD Projector
	Concepts of Object – Oriented Programming – Benefits of OOP	4		
	Evolution: Java History- Java Features-Differs from C and C++.	4		
	Overview of Java Language:Java Program-Structure	2		
	Tokens–Java Statements–Java Virtual Machine –Command Line Arguments	3		
II	Constants, Variables and Data Types	3	15	<ul style="list-style-type: none"> PPT Slides Black Board
	Operators and Expressions	3		
	Decision making and Branching–Looping	3		
	Arrays-Strings–	3		
	Collection Interfaces and classes	3		
III	Classes objects and methods :Introduction	3	17	<ul style="list-style-type: none"> Black Board PPT Slides
	Defining a class	2		
	Method Declaration – Constructors	2		
	Method Overloading – Static Members	3		
	Nesting of methods–Inheritance–Overriding	3		
	Final variables and methods–Abstract methods and classes	3		
IV	Multiple Inheritance: Defining Interfaces	3	18	<ul style="list-style-type: none"> Black Board PPT Slides LCD Projector
	Extending Interfaces – Implementing Interfaces	3		
	Packages: Creating Packages – Accessing Packages	3		
	Using a Package–Managing Errors and Exceptions	3		
	Multithreaded Programming	3		
V	Layout Managers-JDBC–Java Servlet:	3	17	<ul style="list-style-type: none"> Black Board Chalk and Talk
	Servlet Environment Role	3		
	Servlet API	2		
	Servlet Life Cycle – Servlet Context -HTTP Support	4		
	HTML to Servlet Communication	3		

Date of CIAs: As per college calendar/need based amendments.

Date: 12/04/24

Principal


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Course Teacher

SRI SARADA COLLEGE FOR WOMEN (Autonomous)
TIRUNELVELI 627011
DEPARTMENT OF INFORMATION TECHNOLOGY
COURSE TEACHING/LECTURE/EXAM PLAN

Department	Name of the faculty/s for the course	Academic year	Class
Information Technology	Smt S.ESWARA GOMATHI	2023-24	I YEAR
Semester	Course code	Course title	
II	23UITE21A	Digital Logic Fundamentals	

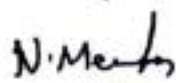
Title of the book (Text/Reference)	Author/s	Edition & Publisher
Digital Design	M Morris Mano, Michael D Ciletti	Prentice Hall of India Pvt Ltd

Unit No	Topics	No. of hours	Proposed days/date	Remarks-Faculty/ Teaching aids
I	Boolean Algebra: Binary Number System - Octal, Hexa-decimal	4	14	Lecture, Black Board
	BCD Codes - Number System Conversion Number Systems	4		
	Arithmetic operations-Binary codes – Boolean Algebra	4		
II	Digital System: Digital systems – binary numbers – number base conversion – Octal and hexa decimal numbers	4	15	Lecture, Black board, PPT
	complements – signed binary numbers – binary codes – registers – binary logic.	3		
	Boolean algebra: Introduction – basic definition – axiomatic definition of Boolean algebra – basic theorem and properties and of Boolean algebra – Boolean functions	5		
III	Logic gates: Canonical and standard forms – other logic operations – digital logic gates and integrated circuits	3	15	Lecture, PPT
	Gate-Level minimization: Introduction: The Map method – Four- variable Maps –Five-variable Map	5		
	Product –of-sums simplifications- Don't conditions	4		
IV	Combinational Logic: Introduction – Combinational circuits – Analysis Procedure - Design Procedure	3	13	Black Board LCD Projector
	JK- Binary Adder – Subtractor – Decimal Adder - Binary Multiplier - Magnitude Comparator.	3		
	Memory: Introduction – Random access memory Flip Flops – JK Master Slave Flip Flops.	3		
	Memory Decoding – Error Detection and Correction – Read Only Memory	3		
V	Decoders and Encoders, Multiplexers, Registers and Counters: Registers – Shift Registers – Ripple Counters – Synchronous Counters – other counters	5	12	Black Board PPT
	Synchronous Sequential Logic: Introduction –Sequential Circuits – Storage Element Latches - Storage Element Flip-Flops - Analysis of Clocked Sequential Circuits	7		

Date of CIAs: As per college calendar/need based amendments.

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SRI SARADA COLLEGE FOR WOMEN (Autonomous)
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DEPARTMENT OF INFORMATION TECHNOLOGY
COURSE TEACHING/LECTURE/EXAM PLAN

Department	Name of the faculty/s for the course	Academic year	Class
Information Technology	Selvi S.MURUGESWARI	2023-24	I YEAR
Semester	Course code	Course title	
II	23UITSE21	Quantitative Aptitude	

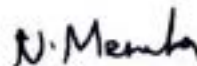
Title of the book (Text/Reference)	Author/s	Edition & Publisher
Quantitative Aptitude	R.S.AGGARWAL	S.Chand&CompanyLtd

Unit No	Topics	No. of hours	Proposed days/date	Remarks-Faculty/ Teaching aids
I	Numbers-HCF and LCM of numbers	3	6	<ul style="list-style-type: none"> • Chalk&Talk • PPT Slides
	Decimal fractions-Simplification	3		
	Squareroot and cuberoots - Average-problems on Numbers	2		
II	Problems on Ages - Surds and Indices percentage	3	7	<ul style="list-style-type: none"> • Chalk&Talk • PPT Slides • LCD Projector
	profits and loss - ratio and proportion	2		
	partnership- Chainrule.	2		
III	Time and work - pipes and cisterns - Time and Distance - problems on trains	3	6	<ul style="list-style-type: none"> • Chalk&Talk • PPT Slides
	Boats and streams - simple interest - compound interest	3		
	Logarithms - Area-Volume and surfacearea -races and Games of skill	2		
IV	Permutation and combination-probability	2	6	<ul style="list-style-type: none"> • Chalk&Talk • PPT Slides • LCD Projector
	True Discount-Bankers Discount	2		
	Height and Distances- Oddmanout & Series.	2		
V	Calendar - Clocks - stocks and shares	2	6	<ul style="list-style-type: none"> • Chalk&Talk • PPT Slides
	Data representation - Tabulation	2		
	BarGraphs-Piecharts- Linegraphs.	2		

Date of CIAs: As per college calendar/need based amendments.

Date: 12/04/24


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S.MURUGESWARI
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DEPARTMENT OF INFORMATION TECHNOLOGY
COURSE TEACHING/LECTURE/EXAM PLAN

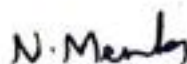
Department	Name of the faculty/s for the course	Academic year	Class
Information Technology	Selvi.S.Sumithira	2023-2024	I B.A(Eng, Eco), B.Com, BBA
Semester	Course code	Course title	
II	23UITS2	Fundamentals of Information Technology	
Title of the book (Text/Reference)		Author/s	Edition & Publisher
Fundamental of Information Technology		Anoop Mathew, S. KavithaMurugeshan	2009 Majestic Books
Fundamental of Information Technology		Alexis Leon, Mathews Leon	2 nd Edition
https://www.javatpoint.com/computer-fundamentals-tutorial			
https://www.tutorialspoint.com/computer_fundamentals/index.htm			

Unit No	Topics	No. of hours	Proposed days/date	Remarks-Faculty/ Teaching aids
I	Introduction to Computers: Introduction, Definition, Characteristics of computer, Evolution of Computer, Block Diagram Of a computer, Generations of Computer	4	3	• Black board
	Classification Of Computers, Applications of Computer, Capabilities and limitations of computer	2	2	• Chalk and Talk
II	Basic Computer Organization: Role of I/O devices in a computer system. Input Units: Keyboard, Terminals and its types. Pointing Devices, Scanners and its types.	2	2	• Chalk and Talk • PPT
	Voice Recognition Systems, Vision Input System, Touch Screen. Output Units: Monitors and its types.	2	2	• Chalk and Talk
	Printers: Impact Printers and its types. Non Impact Printers and its types, Plotters, types of plotters, Sound cards, Speakers.	2	3	• Black board • PPT
III	Storage Fundamentals: Primary Vs Secondary Storage, Data storage & retrieval methods. Primary Storage: RAM, ROM, PROM, EPROM, EEPROM.	3	4	• Black board • Chalk and Talk
	Secondary Storage: Magnetic Tapes, Magnetic Disks. Cartridge tape, hard disks, Floppy disks Optical Disks, Compact Disks, Zip Drive, Flash Drives	3	3	• PPT
IV	Software: Software and its needs, Types of S/W. System Software: Operating System, Utility Programs	2	2	• Chalk and Talk
	Programming Language: Machine Language, Assembly Language, High Level Language their advantages & disadvantages.	2	3	• Black board • PPT
	Application S/W and its types: Word Processing, Spread Sheets Presentation, Graphics, DBMS s/w	2	2	• Chalk and Talk
V	Operating System: Functions, Measuring System Performance, Assemblers, Compilers and Interpreters.	2	3	• Black board
	Batch Processing, Multiprogramming, Multi Tasking, Multiprocessing, Time Sharing, DOS, Windows, Unix/Linux.	4	4	• PPT

Date of CIAs: As per college calendar/need based amendments.

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SRI SARADA COLLEGE FOR WOMEN (Autonomous)
TIRUNELVELI- 627011
DEPARTMENT OF INFORMATION TECHNOLOGY

Department	Name of the faculty/s for the course	Academic year	Class
Information Technology	Selvi S.Sumithira	2023-2024	II B.Sc IT
Semester	Course code	Course title	
IV	22UITC41	Java Programming	


Title of the book (Text/Reference)	Author/s	Edition & Publisher
Java 2- The Complete Reference	Herbert Schildt	McGraw Hill Education
Java:A Beginner's Guide	Herbert Schildt	McGraw Hill Education

Unit No	Topics	No. of hours	Proposed days/date	Remarks-Faculty/ Teaching aids
I	The Genesis of Java: Overview of Java–Development of Java–JDE–Data Types–Variables	6	16	<ul style="list-style-type: none"> • PPT Slides • LCD Projector • Black Board
	Arrays – Type Conversion and Casting – Operators – Precedence – Control Statements.	6		
II	Introduction: Classes, Objects – OOPs Concepts – Declaring Objects – Introducing Methods – Constructors – Overloading – this keyword	4	16	<ul style="list-style-type: none"> • PPT Slides • Chalk & Talk • LCD Projector
	Garbage Collection – finalize () method – More Examples. Objects as parameters – returning objects	4		
	Recursion – Access Control – Static – Final– Nested and Inner Classes – Command Line Arguments – Sample Programs.	4		
III	String and String Buffer Class Inheritance: Types of Inheritance–Method Overriding – Dynamic method Dispatch	4	17	<ul style="list-style-type: none"> • PPT Slides • LCD Projector • Chalk & Talk
	Abstract Class – Final with Inheritance – More Examples Packages – Access Protection – Importing Packages	4		
	Interfaces – Implement and Applying Interfaces – Sample Programs.	4		
IV	Exception Handling: Exception Types–Our Own Exception–Handling Exception–Java's Built in Exception – Thread Class and Runnable Interface – Extending Thread	4	18	<ul style="list-style-type: none"> • PPT Slides • LCD Projector • Chalk & Talk
	Creating Multiple Threads – isAlive () and join() methods – Synchronization – suspend (), resume () and stop() threads – Example Programs. I/O packages – Input Stream – Output Stream – File Input and Output Stream	5		
	Applet Class – An Applet Skeleton – Simple Applet Display Methods – Example Programs.	3		
V	Event Handling : Delegation Event Model–Event Classes–Sources of Events–Event Listener Interface – AWT Controls – Labels – Buttons – Check Boxes – Check Box Group – Lists – Scroll Bar	6	15	<ul style="list-style-type: none"> • PPT Slides • Chalk & Talk • LCD Projector
	Text Area – Menu Bars and Menu – Layout Managers–Examples.Java Database Connectivity -Types of JDBC Drivers–Creating a Table–Manipulating data in Table- using java.sql package.	6		

Date of CIAs: As per college calendar/need based amendments.

Date: 12/04/24

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SRI SARADA COLLEGE FOR WOMEN (Autonomous)
TIRUNELVELI 627011
DEPARTMENT OF INFORMATION TECHNOLOGY

Department	Name of the faculty/s for the course	Academic year	Class
Information Technology	Selvi S.MURUGESWARI	2023-24	II YEAR
Semester	Course code	Course title	
IV	22UITC42	Operating System	

Title of the book (Text/Reference)	Author/s	Edition & Publisher
Operating system concepts	Abraham Silverschatz	2001(6), Addison Wesley publication, New Delhi
OS Internal and design principles	William Stallings	2003(5), PHI Publications New Delhi
OS Design & Implementation	Andrew S.Tanenbarn	2005(3), Prentice Hall of India Publications, New Delhi

Unit No	Topics	No. of hours	Proposed days/date	Remarks-Faculty/ Teaching aids
I	Introduction: What is an operating system: Mainframe Systems	5	12	<ul style="list-style-type: none"> Chalk& Talk PPT Slides
	Desktop System-Multiprocessor Systems	3		
	Distributed Systems-Clustered System	4		
II	Process: Process Concept-Process Scheduling-Operations on Processes-Co-operating Processes	5	12	<ul style="list-style-type: none"> PPT Slides LCD Projector Black Board
	Inter Process Communication. CPU Scheduling: Basic Concepts-Scheduling Criteria-Scheduling Algorithms	3		
	Multiprocessor Scheduling-Real time Scheduling-Algorithm Evaluation.	4		
III	Process Synchronization: Background-the Critical Section problem-Synchronization Hardware-Semaphores-Classical problems of Synchronization	5	15	<ul style="list-style-type: none"> Chalk&Talk PPT Slides
	Critical Regions-Monitors-Atomic Transactions. Deadlocks: System Model-Deadlock Characterization-Methods of handling deadlock	5		
	Deadlock prevention-Deadlock Avoidance-Deadlock Detection-Recovery from deadlock.	5		
IV	Memory Management: Background-Swapping-Contiguous Memory Allocation-Paging	4	13	<ul style="list-style-type: none"> PPT Slides LCD Projector
	Segmentation-Segmentation with paging	4		
	Virtual Memory: Background-Demand Paging-Page Replacement-Allocation of Frames.	5		
V	File System Interface: File Concept-Access Methods	4	14	<ul style="list-style-type: none"> Chalk&Talk PPT Slides
	File System Structure-File System Implementation	4		
	Directories Structure-Directory Implementation	3		
	Allocation Methods-Free Space Management.	4		

Date of CIAs: As per college calendar/need based amendments.

Date: 12/04/24

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N. Menon
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S. MURUGESWARI
Course Teacher

SRI SARADA COLLEGE FOR WOMEN (Autonomous)
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DEPARTMENT OF INFORMATION TECHNOLOGY
COURSE TEACHING/LECTURE/EXAM PLAN

Department	Name of the faculty/s for the course	Academic year	Class
Information Technology	Smt S.ESWARA GOMATHI	2023-24	II YEAR
Semester	Course code	Course title	
IV	22UITA41	Operations Research and Numerical Analysis	


Title of the book (Text/Reference)	Author/s	Edition & Publisher
Operations Research	Kantiswarup, P.K.Gupta	Sultan Chand & Sons
Numerical Analysis	S.Arumugam and A.Somasundaram	Scitech Publications Pvt Ltd

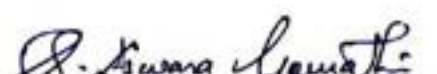
Unit No	Topics	No. of hours	Proposed days/date	Remarks-Faculty/ Teaching aids
I	Operations Research -An Overview - Applications of Operations Research	2	15	Lecture, Black Board
	Transportation Problem: Introduction-General Transportation Problem-The Transportation Table – Formulation of the Transportation Problem – Triangular Basis in a Transportation Problem	4		
	Finding an initial basic feasible solution: North West Corner rule – Least – Cost Method or Matrix Minima Method – Vogel Approximation Method	6		
II	Assignment Problem: Introduction-Mathematical formulation of the problem-The Assignment method	8	14	Black Board LCD Projector
	Dual of the Assignment method-The Travelling Salesman Problem.	4		
III	Sequencing Problem: Introduction-Problem of Sequencing-Basic Terms used in sequencing – Processing n jobs through two machines	6	12	Lecture LCD Projector
	Processing n jobs through k machines – Processing 2 jobs through k machines.	6		
IV	Simultaneous equations: Back substitutions-Gauss Jordan elimination method	4	15	Lecture, Black Board, PPT
	Calculation of inverse of a matrix – Gauss – Seidel iteration method.	8		
V	Difference Operators: Newton's interpolation formula – Lagrange's interpolation formula –	6	12	Lecture, PPT
	Divide difference interpolation –Inverse interpolation.	6		

Date of CIAs: As per college calendar/need based amendments.

Date: 12/04/24


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Course Teacher

SRI SARADA COLLEGE FOR WOMEN (Autonomous)
TIRUNELVELI 627011
DEPARTMENT OF INFORMATION TECHNOLOGY
COURSE TEACHING/LECTURE/EXAM PLAN

Department	Name of the faculty/s for the course	Academic year	Class
Information Technology	Selvi S.MURUGESWARI	2023-2024	II B.Sc Physics,B.Com, B.Com(CS), BBA
Semester	Course code	Course title	
IV	22UNIT4A	Basic Programming Design	

Title of the book (Text/Reference)	Author/s	Edition & Publisher
Basic Programming Design	D.S. Arul Selvan, A.A RegiessonSylum	1 st & Shalom Publications, Green st, Nagercoil
The Art of Programming Through Flowcharts & Algorithms	Anil BikasChaudhuri	1 st & Firewall Media

Unit No	Topics	No. of hours	Proposed days/date	Remarks-Faculty/ Teaching aids
I	Introduction: Algorithms, Flowcharts, Types of Programming Languages,	3	6	<ul style="list-style-type: none"> PPT Slides Chalk &Talk
	Selection of Programming Languages, Program Writing <i>Debugging</i>	4		
II	Flow Charts: Elementary Concepts-Introduction, Kinds of flow charts, symbols used in flow chart..	3	6	<ul style="list-style-type: none"> PPT Slides Chalk &Talk
	Advantages of flow charts, examples, constants and variables- Types of Variables	3		
III	Flow Charting Simple Computation : Introduction, illustrating examples-Greater of two number	3	6	<ul style="list-style-type: none"> PPT Slides Chalk &Talk LCD Projector
	Celsius to Fahrenheit, Sum of first N positive numbers	2		
	Factorial of numbers- sum of cube of N numbers -conclusion.	2		
IV	Subscripted Variables: Introduction, basic concepts of subscripted variables, one dimensional	4	6	<ul style="list-style-type: none"> PPT Slides Chalk &Talk
	array, illustrating examples, Multiplication of two Arrays- conclusion.	3		
V	Multidimensional Arrays: Introduction, definitions, matrix operations, illustrating examples, beyond two dimensions, conclusion	3	6	<ul style="list-style-type: none"> PPT Slides Chalk &Talk
	Introduction to File Structure: Introduction, Concept of data files, Types of Data Files, File Organization methods, File Processing activities, Conclusion	3		

Date of CIAs: As per college calendar/need based amendments.

Date: 12/04/24

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Principal

N. Manohar

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S. MURUGESWARI

Course Teacher

SRI SARADA COLLEGE FOR WOMEN (Autonomous)
TIRUNELVELI -627011
DEPARTMENT OF INFORMATION TECHNOLOGY
COURSE TEACHING/LECTURE/EXAM PLAN

Department	Name of the faculty/s for the course	Academic year	Class
Information Technology	Selvi. S. Sumithira Selvi. S. Murugeswari	2023-2024	III B.Sc IT
Semester	Course code	Course title	
VI	19UITC61	Machine Learning using Python	

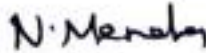
Title of the book (Text/Reference)	Author/s	Edition & Publisher
Internet & World Wide Web- How to Program	Paul J.Deitel, Harvey M.Deitel	Pearson Education India, 2009,4 th Edition
Mastering JavaScript	James Jaworski	SybexInc.,U.S, 2001, 2 nd Edition

Unit No	Topics	No. of hours	Proposed days/date	Remarks-Faculty/ Teaching aids
I	Machine Learning :Introduction – Working of Machine Learning –Features of Machine learning- Need for Machine Learning	6	12	• PPT Slides
	Classification of Machine Learning –History of Machine Learning . – Application of Machine Learning – Machine Learning Life Cycle – AI versus Machine Learning	6		• Chalk &Talk
II	Data Preprocessing and Classification : Data Set - Types of data in Dataset - Popular source for Machine Learning datasets - Data Preprocessing – Steps of Data Preprocessing	5	12	• PPT Slides
	Supervised Machine Learning –Unsupervised Machine learning - Supervised Vs Unsupervised Learning	7		• Chalk &Talk
III	Supervised Learning: Types of Supervised Learning - Regression Analysis	6	12	• PPT Slides
	Types of Regression - Linear Regression - Backward Elimination - Logistic Regression	6		• Chalk &Talk
IV	Supervised Learning: Classification – Types of Classification Algorithms - K-Nearest Neighbor(KNN) Algorithm	6	12	• PPT Slides
	Support Vector Machine – Naive Bayes Classifier – Decision Tree.	6		• Chalk &Talk • LCD Projector
V	Python: Python Program – Python class and object – Python Tkinter	6	12	• PPT Slides
	Python online Editors - PythonmySQL -Numpy - Matplotlib	6		• Chalk &Talk

Date of CIAs: As per college calendar/need based amendments.

Date: 12-10-24


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SRI SARADA COLLEGE FOR WOMEN (Autonomous)
TIRUNELVELI 627011
DEPARTMENT OF INFORMATION TECHNOLOGY
COURSE TEACHING/LECTURE/EXAM PLAN

Department	Name of the faculty/s for the course	Academic year	Class	
Information Technology	Selvi S.MURUGESWARI	2023-24	III- IT	
Semester	Course code	Course title		
VI	19UITC62	Web Programming		
Title of the book (Text/Reference)	Author/s	Edition & Publisher		
Internet & World Wide Web- How to Program	Paul J.Deitel, Harvey M.Deitel	2009(4), Pearson Education India		
Mastering JavaScript	James Jaworski	2001(2), SybexInc.,U.S		
Web Enable Commercial Application Development Using HTML, DHTML, JavaScript, Perl CGI	Bayross	2005(4), BPB Publications		
Unit No	Topics	No. of hours	Proposed days/date	Remarks-Faculty/ Teaching aids
I	UNIT I- Introduction to Internet and World Wide Web- Components to Enable Internet Access – Features of Internet Explorer and Firefox – Browser Setting	2	6	<ul style="list-style-type: none"> PPT Slides Chalk & Talk
	Web 2.0. – Search Engines – Content Networks- User Generated Content – Blogging – Social Networking and Media Tagging	2		
	RIA – Web Services, Mashups, Widgets and Gadgets – Location Based Services - Web 2.0. Models	2		
II	Introduction to XHTML- Structure of XHTML Document – Headings – Links – Images – Lists Tables – Forms – Frames – Internal Linking – Web Page Design	3	7	<ul style="list-style-type: none"> PPT Slides Chalk&Talk
	Introduction to CSS – Inline Styles – Embedded Style Sheets – Conflicting Styles – Linking External Style Sheets – Positioning Elements	2		
	Backgrounds – Element Dimensions – Box Model and Text Flow – Media Types- Drop Down Menu – User Style Sheets – Sample Web Applications	2		
III	Introduction to Java Script: Structure of Java Script – Sample Programs – Memory Concepts – Operators – I/O Structures	2	7	<ul style="list-style-type: none"> PPT Slides Hands on Training using online compiler
	Control Structures : Selection and Multiple Selection Structures – Repetition Structures – break and continue structures	2		
	Functions : Programmer Defined Functions – Function Definition – Scope Rules – Global Functions – Recursion – Example Programs	3		
IV	Arrays : Declaring and Allocating Arrays – Passing Arrays to Functions – Multidimensional Arrays	2	6	<ul style="list-style-type: none"> Chalk&Talk PPT Slides YouTube Videos
	Objects : Object Technology Concepts – Various JavaScript Objects – DOM Nodes and Trees – DOM Collections – Events and Event Models	2		
	XML Basics – XML Namespaces – DTD – XML Schema Documents – XML Vocabularies – XSL – RSS – ActiveX Controls Sample Web Applications	2		
V	Server Side Programming: Web Servers : HTTP Transactions – IIS and Apache Servers	2	8	<ul style="list-style-type: none"> PPT Slides Hands on Training using online compiler
	Databases : MySQL – ADO.NET Object Model – JDBC – PHP : PHP Basics – Form Processing – Dynamic Content	3		
	ASP.NET 2.0. Introduction – Developing Sample Web Application – Web Controls – Session Tracking – Case Studies	3		

Date of CIAs: As per college calendar/need based amendments.

Date: 2/10/24

Aramals
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N. Menah
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S.MURUGESWARI
Course Teacher

SRI SARADA COLLEGE FOR WOMEN (Autonomous)
TIRUNELVELI 627011
DEPARTMENT OF INFORMATION TECHNOLOGY
COURSE TEACHING/LECTURE/EXAM PLAN

Department	Name of the faculty/s for the course	Academic year	Class
Information Technology	Smt S.ESWARA GOMATHI	2023-2024	III IT
Semester	Course code	Course title	
VI	19UITC63	.NET Programming	

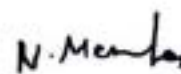
Title of the book (Text/Reference)	Author/s	Edition & Publisher
ASP .NET The Complete Reference	Mathew Mac.Donald	Tata McGraw-Hill Education
ASP .NET 3.5 in C# and VB	ImarSpanjaars	Wrox

Unit No	Topics	No. of hours	Proposed days/date	Remarks-Faculty/ Teaching aids
I	The .NET Framework: Learning the .NET Languages-Introduction to ASP.NET	2	7	Lectures and PPT
	IIS-Types, Objects and Namespaces-ASP .NET Application- Building ASP.NET Website.	4		
II	Web Form Fundamentals: HTML Controls-Web Controls-Using Visual Studio .NET Validation Controls-	3	8	PPT Slides,Chalk &Talk
	Navigation Controls-Data Controls-Login Controls-CSS-Working with CSS in Web Developer-More Programs.	3		
III	State Management: Session-View-Query String-Cookies	3	10	Black Board,Chalk &Talk
	Tracing-Logging-Error Handling-User Controls-Crystal Report	3		
IV	ADO .NET-Overview of ADO .NET-ADO .NET Access-Data Binding-Data list-Data Grid.	4	7	PPT Slides,Chalk &Talk
	Repeaters-Working with Data Base – Sample programs –Files,Streams and Email.	2		
V	XML-Using XML-Web Services-Creating Web Services	2	8	Lecture,Black Board
	Web Services Component Based Programming-Custom Controls-Caching-ASP.NET Security	4		

Date of CIAs: As per college calendar/need based amendments.

Date: 12/04/24


Principal


N. Menon
HOD


Course Teacher

SRI SARADA COLLEGE FOR WOMEN (Autonomous)
TIRUNELVELI- 627011
DEPARTMENT OF INFORMATION TECHNOLOGY
COURSE TEACHING/LECTURE/EXAM PLAN

Department	Name of the faculty/s for the course	Academic year	Class
Information Technology	Selvi S.Sumithira	2023-2024	III B.ScIT
Semester	Course code	Course title	
VI	19UITC64	Data Communications and Networking	


Title of the book (Text/Reference)	Author/s	Edition & Publisher
Data Communications and Networking	"Behrouz A Foruzan",	2nd Edition 2006, Tata McGraw Hill Publishing Company Ltd., New Delhi
Data Communications and Networking	Wayne Tomain	4th Edition, Pearson

Unit No	Topics	No. of hours	Proposed days/date	Remarks-Faculty/ Teaching aids
I	Data Communication : Standard Organizations – Line Configuration – Topology –Transmission Mode – Categories of Networks – Internet Works – The Model/Functions of the Layers	6	15	<ul style="list-style-type: none"> Chalk & Talk LCD Projector
	Transmission of Digital Data : Interfaces and Modems – Digital Data Transmission – DTE – DCE Interface – other Interface Standards	6		
II	Transmission Media: Guided Media – Unguided Media	4	16	<ul style="list-style-type: none"> PPT Slides Chalk & Talk
	Multiplexing – Many to one/one to Many, Frequency – Division Multiplexing (FDM),	4		
	Wave Division Multiplexing (WDM), Time – Division Multiplexing (TDM).	4		
III	Error Detection and Correction : Types of Errors – Detection – Redundancy	3	16	<ul style="list-style-type: none"> PPT Slides Chalk & Talk
	Vertical Redundancy Check (VRC) – Longitudinal Redundancy Check (LRC) – Cycle Redundancy Check (CRC)	4		
	Checksum – Error Correction. Data Link Control – Line Discipline – Flow Control – Error Control.	5		
IV	Switching : Circuit Switching – Packet Switching – Message Switching – Integrated Services	5	18	<ul style="list-style-type: none"> PPT Slides Chalk & Talk
	Digital Network (ISDN) – Services – History- Subscribe Access to the ISDN	4		
	The ISDN Layers – Broadband ISDN – Future of ISDN	3		
V	Frame Relay Introduction – Frame Relay Operation – Frame Relay Layers – Congestion Control Leaky Bucket Algorithm– Traffic Control	6	16	<ul style="list-style-type: none"> PPT Slides Chalk & Talk
	Networking and Internetworking devices – Repeaters – Gateways – Other Devices – Routing Algorithm, Distance Vector Routing – Transport Layer-Connection	6		

Date of CIAs: As per college calendar/need based amendments.

Date: 12/01/24

Principal


HOD


Course Teacher

SRI SARADA COLLEGE FOR WOMEN (Autonomous)
TIRUNELVELI 627011
DEPARTMENT OF INFORMATION TECHNOLOGY
COURSE TEACHING/LECTURE/EXAM PLAN

Department	Name of the faculty/s for the course	Academic year	Class
Information Technology	Smt.N.Menaka	2023-2024	III IT
Semester	Course code	Course title	
VI	19UITE61A	Introduction to Cloud Computing	

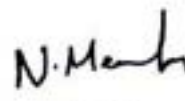
Title of the book (Text/Reference)	Author/s	Edition & Publisher
Cloud Computing	Michael Miller	1 st & Pearson Education India
Cloud Computing	V. K.Pachghare	1 st & PHI Learning Pvt Ltd

Unit No	Topics	No. of hours	Proposed days/date	Remarks-Faculty/ Teaching aids
I	Introduction: Cloud Computing Introduction- From Collaboration to cloud- Working of Cloud Computing	5	17	<ul style="list-style-type: none"> • Black board • PPT Slides
	Pros and Cons- Benefits	3		
	Developing Cloud Computing Services-Cloud Service Development- Discovering Cloud Services.	5		
II	Cloud Computing For Everyone Centralizing Email Communications	3	16	<ul style="list-style-type: none"> • PPT Slides • Black Board
	Cloud Computing for Community-Collaborating on Schedules- Collaborating on Group Projects and Events	5		
	Cloud Computing for Corporation- Mapping Schedules - Managing Projects- Presenting on Road.	5		
III	Using Cloud Services Collaborating on Calendars-Schedules and Task Management- Exploring on Line -Scheduling and Planning.	5	18	<ul style="list-style-type: none"> • Black Board • PPT Slides
	Collaborating on Event Management	2		
	Collaborating on Contact Management	2		
	Collaborating on Project Management	2		
	Collaborating on Word Processing- Spread sheets and Databases	2		
IV	Outside The Cloud Evaluating Web Mail Services- Evaluating Instant Messaging- Evaluating Web Conference Tools	5	18	<ul style="list-style-type: none"> • Black Board • PPT Slides
	Creating Groups on Social Networks- Evaluating on Line Groupware	4		
	Collaborating via Blogs and Wikis	4		
V	Storing And Sharing Understanding Cloud Storage- Evaluating on Line File Storage- Exploring on Line Book Marking Services	5	18	<ul style="list-style-type: none"> • PPT Slides • Chalk and Talk
	Exploring on Line Photo Editing Applications-Exploring Photo Sharing Communities	5		
	Controlling it with Web Based Desktops	3		

Date of CIAs: As per college calendar/need based amendments.

Date: 12/04/24


Principal


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Course Teacher

Sri Sarada College for Women (Autonomous), Tirunelveli 627011
Course Teaching/Lecture/Exam Plan

Department	Name of the faculty/s for the Course	Academic Year	Class
Commerce	Dr. M.VEERALAKSHMI Ms. M.DHANALAKSHMI	2023 - 2024	I B.Com
Semester	Course Code	Course Title	
II	23UCMC21	FINANCIAL ACCOUNTING-II	

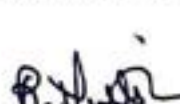
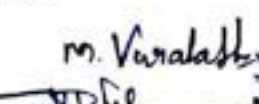
Title of the book (Text/Reference)	Author/s	Edition & Publisher
Fundamentals of Advanced Financial Accounting – I	S.Chand	R. S. N. Pillai, Bagavathi and Uma,
Financial Accounting	Dr. S.N. Maheswari	Vikas Publications, Noida.
Financial Accounting	Dr.Venkataraman& others (7 lecturers)	VBH, Chennai.
Advanced Accountancy	Dr.Arulanandan and Raman	Himalaya publications, Mumbai.
Advanced Accounting	Tulsian	Tata MC. Graw hills, India.
Financial Accounting	Charumathi and Vinayagam	S.Chand and sons, New Delhi.
Advance Accounts	M.C. Shukla T.S. Grewal & S.C. Gupta	S Chand Publishing, New Delhi.
Financial Accounting	R.L. Gupta and V.K. Gupta	Sultan Chand, New Delhi
Financial Accounting	S P Jain and K. L. Narang	Kalyani Publishers, New Delhi.

Unit No	Topics	No. of hours	Proposed days/date	Remarks-Faculty/ Teaching aids
I	Hire Purchase and Instalment System	6	15	CHALK& TALK
	Hire Purchase System and Accounting Treatment –			
	Calculation of Interest - Default and Repossession – Hire purchase			
	Purchase Trading Account - Instalment System	5		
II	Branch and Departmental Accounts	5	15	CHALK& TALK
	Debtors system -Stock and Debtors system – Distinction	5		
	between Wholesale Profit and Retail Profit – Departmental			
	Accounts: Basis of Allocation of Expenses – Inter-Departmental Transfer at Cost or Selling Price.			
		2		
		3		
III	Partnership Accounts – I	5	15	CHALK& TALK
	Partnership Accounts: –Admission of a Partner – Treatment of Goodwill - Calculation of Hidden Goodwill –Retirement of a Partner – Death of a Partner.	5		
		5		
IV	Partnership Accounts – II	3	15	CHALK& TALK
	Dissolution of Partnership - Methods – Settlement of	4		
	Accounts Regarding Losses and Assets – Realization			
	account – Treatment of Goodwill – Preparation of Balance Sheet - One or more Partners insolvent – Accounting			
	Treatment - Piecemeal Distribution – Surplus Capital Method			
V	Accounting Standards for financial reporting (Theory only)	5	15	CHALK& TALK
	Role of Accounting Standards - Development of Accounting Standards in India - Role of IFRS- IFRS Adoption vs	5		
	Convergence Implementation - Difference between Ind AS and IFRS.	5		

Date of CIAs: As per college calendar/need based amendments.

Date:


Principal

 
HoD Course Teacher

Sri Sarada College for Women (Autonomous), Tirunelveli 627011

Course Teaching/Lecture/Exam Plan

Department	Name of the faculty/s for the Course	Academic Year	Class
Commerce	Mr. S.Sankaralingam	2023 - 2024	I B.Com
Semester	Course Code	Course Title	
II	23UCMC22	BUSINESS LAW	

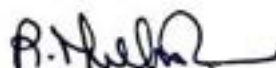
Title of the book (Text/Reference)	Author/s	Edition & Publisher
Business Law	Preethi Agarwal	CA foundation study material, Chennai.
Business Laws	Saravanel, Sumathi, Anu	Anu, Himalaya Publications, Mumbai
Business Laws	Kavya and Vidhyasagar	Nithya Publication, New Delhi
Business Laws	D.Geet	Nirali Prakashan Publication, Pune
Business Laws	M.R. Sreenivasan	Margham Publications, Chennai
Business Laws	R.S.N. Pillai	S.Chand, New Delhi.
Business Laws	M C Kuchhal& Vivek Kuchhal	S Chand Publishing, New Delhi
Business Laws	M.V. Dhandapani	Sultan Chand and Sons, New Delhi
Business Laws	Shusma Aurora	Taxmann, New Delhi.

Unit No	Topics	No. of hours	Proposed days/date	Remarks- Faculty/ Teaching aids
I	Elements of Contract: Essentials of Valid Contract, Classification of	4	15	CHALK& TALK
	Contract, Offer and Acceptance – Consideration –	4		
	Capacity to Contract – Free Consent - Legality of	2		
	Object – Contingent Contracts – Void Contract	5		
II	Performance of Contract: Devolution of Joint liabilities & Rights, Time and	3	15	CHALK& TALK
	Place of Performance, Reciprocal Promises,	4		
	Assignment of Contracts - Remedies for Breach of	4		
	contract - Termination and Discharge of Contract	4		
III	Contract of Indemnity and Guarantee : Contract of Indemnity and Contract of Guarantee -	6	15	CHALK& TALK
	Extent of Surety's Liability, Kinds of Guarantee,	4		
	Rights of Surety, Discharge of Surety –	5		
IV	Bailment and Pledge: Bailment – Concept – Essentials - Classification of	5	15	CHALK& TALK
	Bailments, Duties and Rights of Bailor and Bailee –	4		
	Law of Pledge – Meaning – Essentials of Valid Pledge	6		
V	Sale of Goods Act 1930: Definition of Contract of Sale – Formation - Essentials	4	15	CHALK& TALK
	of Contract of Sale - Conditions and Warranties -	4		
	Transfer of Property – Contracts involving Sea Routes	4		
	- Sale by Non-owners - Rights and duties of buyer	3		

Date of CIAs: As per college calendar/need based amendments.

Date:


Principal


HoD


Course Teacher

Sri Sarada College for Women (Autonomous), Tirunelveli 627011

Course Teaching/Lecture/Exam Plan

Department	Name of the faculty/s for the course	Academic year	Class
COMMERCE	Dr. M.VEERALAKSHMI Dr. P.SUBHA	2023 - 2024	I.B.COM
Semester	Course code	Course title	
II	23UCME21A	BUSINESS ENVIRONMENT	

Title of the books	Author/s	Edition & Publisher
Business Environment	Veenakeshavpailwar	PHI Learning Pvt Ltd, New Delhi
Business Environment	Shaikhsaleem	Pearson, New Delhi
Business Environment	C. B. Gupta	Sultan Chand & Sons, New Delhi
Business Environment	Namitha Gopal	Vijay Nicole Imprints Ltd., Chennai
Business Environment	Ian Worthington, Chris Britton, Ed Thompson	F T Prentice Hall, New Jersey
Business Environment	Francis Cherunilam	Himalaya Publishing House, Mumbai
Business Environment	Dr. V.C. Sinha	SBPD Publishing House, UP
Business Environment	Aswathappa.K	Himalaya Publishing House, Mumbai
Business Environment	Rosy Joshi, Sangam Kapoor & Priya Mahajan	Kalyani Publications, New Delhi

Unit No	Topics	No. of hours	Proposed days/date	Remarks- Faculty/ Teaching aids
I	An Introduction	3	12	CHALK& TALK
	The Concept of Business Environment - Its Nature and Significance –Elements of Environment- Brief	3		
	Overview of Political – Cultural – Legal – Economic and Social Environments and their Impact on Business	3		
		3		
II	Political Environment	6	12	CHALK& TALK
	Political Environment – Government and Business Relationship in India	6		
III	Social and Cultural Environment	4	12	CHALK& TALK
	Social and Cultural Environment – Impact of Foreign Culture on Business – Cultural Heritage - Social Groups - Linguistic and Religious Groups – Types of Social Organization	5		
		3		
IV	Economic Environment	4	12	CHALK& TALK
	Economic Environment – Significance and Elements of Economic Environment - Economic Systems and their Impact of Business – Macro Economic Parameters like GDP - Growth Rate of Population	2		
		2		
		4		
V	Technological Environment	4	12	CHALK& TALK
	Technological Environment – Concept - Meaning - Features of Technology-Sources of Technology	2		
	Dynamics - Transfer of Technology- Impact of Technology on Business	2		
		2		

Date of CIAs: As per college calendar/need based amendments.

Date:


Principal


HoD


Course Teacher

Sri Sarada College for Women (Autonomous), Tirunelveli 627011

Course Teaching/Lecture/Exam Plan

Department	Name of the faculty/s for the Course	Academic Year	Class
Commerce	Dr. M.VEERALAKSHMI	2023 - 2024	I years (NME)
Semester	Course Code	Course Title	
II	23UCMS2A	ELEMENTS OF INCOME TAX	

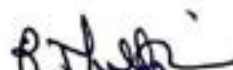
Title of the book (Text/Reference)	Author/s	Edition & Publisher
Income Tax Theory, Law & Practice	T.S. Reddy & Y. Hari Prasad Reddy	Margham Publications, Chennai
Income Tax Law and Practice	Gaur V.P., and Narang D.B	Kalyani Publishers, New Delhi.
Students' Handbook on Taxation	Manoharan T.N. & Hari.G.R	Snow White Publications Pvt. Ltd.
Systematic Approach to Income Tax and CST	Girish Ahiya, Dr. Ravi Gupta	Bharat Law House Pvt. Ltd. New Delhi.
Students Guide to Income Tax	Dr. Vinod K Singhania, Monica Singhania	Taxmann Publications Pvt Ltd., New Delhi.
Income-tax Law and Accounts	Dr. Mehrotra & Dr. Goyal	Sahitya Bhavan Publication, Agra.
Direct Taxes – Law and Practice	Bhagwathi Prasad	Wishwa Prakashana, New Delhi.

Unit No	Topics	No. of hours	Proposed days/date	Remarks- Faculty/ Teaching aids
I	Income-Tax Act 1961: Characteristics of Income Tax - Components of Income Tax Law - Basis and Procedure of Charging	3	6	CHALK& TALK
		3		
II	Exemptions from Tax: Residence and Tax Liability: Determination of Residential Status and Tax Liabilities – Scope of Total Income or Incidence of Tax.	4	6	CHALK& TALK
		2		
III	Heads of Income: Income from Salary - Income from House Property – Profits and Gains from Business / Profession – Capital Gains - Income from Other Sources.	2	6	CHALK& TALK
		2		
		2		
IV	Aggregation of Income: Deemed Incomes – Clubbing of Incomes - Set-off and Carry Forward of Losses	3	6	CHALK& TALK
		3		
V	Tax Authorities and Assessment Procedure: Income Tax Authorities - Assessment Procedure – Types of Assessment – E-Filing - Faceless assessment.	2	6	CHALK& TALK
		2		
		2		

Date of CIAs: As per college calendar/need based amendments.

Date:


Principal


HoD


Course Teacher

SRI SARADA COLLEGE FOR WOMEN (Autonomous)**TIRUNELVELI 627011****COURSE TEACHING/LECTURE/EXAM PLAN**

Department	Name of the faculty/s for the course	Academic year	Class
Commerce	Dr.R.Kavitha	2023 -2024	I B.Com

Semester	Course code	Course title
2	23UCMSE21	Securities Market

Title of the book (Text/Reference)	Author/s	Edition & Publisher
1.Security Analysis and Portfolio Management	PunithavathyPandian	Vikas Publishing House Pvt. Ltd.
2.Investment Analysis and Portfolio management	Prasanna Chandra	2008-Tata McGraw Hill, 3rd Edn

Unit No	Topics	No. of hours	Proposed days/date	Remarks- Faculty/ Teaching aids
I	Capital Markets in India - Meaning, Functions, Intermediaries	3	6	Chalk and Talk
	Role of Primary Market –Problems of New Issues Market	3		
II	Stock exchanges and its Functions : Meaning, Nature, Functions of Secondary Market	2	6	Chalk and Talk
	Organisation and Regulatory-framework for stock exchanges in India – Listing of Securities:Meaning– Merits and Demerits – Delisting	2		
	Security Exchange Board of India : Meaning – Definition - Functions of SEBI – Role of RBI	2		
III	Trading - Different trading systems – BSE - BOLT System – Different types of settlements - Pay-in and Pay-out	2	6	Chalk and Talk
	BadDelivery – Short delivery – NSE – NEAT system options	2		
	Market types, Order types and books – De-mat settlement – Physical settlement.	2		
IV	Stock Market Indices: Stock market indices in India – BSE Sensex - Scrip selection criteria	3	6	Chalk and Talk
	NSE indices – S&P CNXNifty – Scrip selection criteria - Construction.	3		
V	Commodity Markets: Meaning– Types of commodities – commodity exchanges	3	6	Chalk and Talk
	Traders- factors affecting commodityprice-importance.	3		

Date of CIAs: As per college calendar/need based amendments.**Date:**
Principal
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Course Teacher

SRI SARADA COLLEGE FOR WOMEN (Autonomous)
TIRUNELVELI 627011
COURSE TEACHING/LECTURE/EXAM PLAN (EVEN SEMESTER)

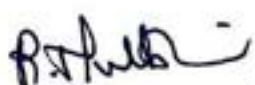
Department	Name of the faculty/s for the course	Academic year	Class
Commerce	Dr. P. SUBHA	2023 – 2024	I B. Com (CS)
Semester	Course Code	Course title	
II	23UCCSE21	PRINCIPLES OF MANAGEMENT	

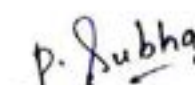
Title of the book (Text/Reference)	Author/s	Edition & Publisher
Principles of Management	Gupta.C.B	Prasad, S.Chand& Sons Co. Ltd, New Delhi.
Principles of Management	L.M. Prasad	S.Chand&Sons Co. Ltd, New Delhi.

Unit No	Topics	No. of hours	Proposed days/date	Remarks- Faculty/ Teaching aids
I	Introduction to Management Meaning- Definitions – Nature and Scope - Levels of Management- Importance - Management Vs. Administration – Management: Science or Art	5	15	Chalk and Talk
	Evolution of Management Thoughts – F. W. Taylor, Henry Fayol, Peter F. Drucker, Elton Mayo - Functions of Management	7		
	Trends and Challenges of Management. Managers – Qualification – Duties & Responsibilities	3		
II	Planning – Meaning – Definitions – Nature – Scope and Functions – Importance and Elements of Planning	4	15	Chalk and Talk
	Types – Planning Process - Tools and Techniques of Planning	5		
	Management by Objective (MBO).	3		
	Decision Making: Meaning – Characteristics – Types - Steps in Decision Making – Forecasting.	3		
III	Organizing- Meaning - Definitions - Nature and Scope – Characteristics – Importance – Types	4	15	Chalk and Talk
	Formal and Informal Organization – Organization Chart	3		
	Organization Structure: Meaning and Types	3		
	Departmentalization– Authority and Responsibility – Centralization and Decentralization – Span of Management.	5		
IV	Staffing- Introduction - Concept of Staffing- Staffing Process – Recruitment – Sources of Recruitment	4	15	Chalk and Talk
	Modern Recruitment Methods - Selection Procedure – Test- Interview	4		
	Training: Need - Types– Promotion –Management Games	3		
	Performance Appraisal - Meaning and Methods of-Performance Appraisal – Work from Home - Managing Work from Home	4		
V	Directing Motivation –Meaning - Theories – Communication – Types - Barriers to Communications – Measures to Overcome the Barriers.	5	15	Chalk and Talk
	Leadership – Nature - Types and Theories of Leadership – Styles of Leadership - Qualities of a Good Leader – Successful Women Leaders – Challenges faced by women in workforce - Supervision.	5		
	Co-ordination and Control	2		
	Control - Characteristics - Importance – Stages in the Control Process - Requisites of Effective Control and Controlling Techniques – Management by Exception [MBE].	3		

Date:


Principal


HoD


Course Teacher

SRI SARADA COLLEGE FOR WOMEN (Autonomous)
TIRUNELVELI 627011
COURSE TEACHING/LECTURE/EXAM PLAN (EVEN SEMESTER)

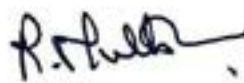
Department	Name of the faculty/s for the course	Academic year	Class
Commerce	Selvi M. DHANALAKSHMI Dr. P. SUBHA	2023 - 2024	II B. Com
Semester	Course Code	Course title	
IV	22UCMC41	PARTNERSHIP ACCOUNTING	

Title of the book (Text/Reference)	Author/s	Edition & Publisher
Financial Accountancy	T.S.Reddy&A.Murthy	Margham Publications,Chennai
Advanced Accountancy	S.P.Jain&K.L.Narang	Kalyani Publishers, New Delhi

Unit No	Topics	No. of hours	Proposed days/date	Remarks- Faculty/ Teaching aids
I	Partnership Accounts: Fundamentals -Partnership Deed - Necessary Adjustment - Interest on Capital.	6	18	Chalk and Talk
	Interest on Drawing – Interest on Loans - Partners Salary Commission	6		
	Profit & Loss Appropriation – Capital Account - Fixed Capital Method -Fluctuating - Past Adjustments and Guarantee	6		
II	Admission of a Partner: Adjustment in Profit Sharing Ratio - Calculation of Sacrificing Ratio	5	18	Chalk and Talk
	Kinds of Goodwill – Methods of valuation of goodwill - Simple and Weighted Average	5		
	Treatment of Goodwill in Admission - Revaluation Account	4		
	Adjustment regarding Goodwill – Adjustment regarding Capital.	4		
III	Retirement or Death of a Partner: Profit Sharing Ratio - Gaining ratio -Sacrificing Vs Gaining Ratio	4	18	Chalk and Talk
	Treatment of Goodwill in Retirement - Adjustment of Capital	4		
	Memorandum Revaluation Account - Retirement andDeath of Partner	5		
	Retiring Partner's loan – Joint life policy.	5		
IV	Dissolution of partnership: Meaning-Modes- Accounting treatment - Journal entries - Treatment of Goodwill in dissolution	6	18	Chalk and Talk
	Piecemeal Distribution- Proportionate capital method	3		
	Maximum loss method - Accounting Procedure	3		
	Insolvency of a partner, two partners and all partners – Garner vs. Murray rule.	6		
V	Amalgamation of firms: Introduction – Meaning – Objectives - Benefits – Forms of amalgamation	5	18	Chalk and Talk
	Problems or issues in amalgamation-Accounting treatment in the books of amalgamating firms	4		
	Revaluation of assets and liabilities	2		
	Transfer of Profits and loss - Disposal of assets and liabilities.	7		

Date:


Principal


HoD


Course Teacher

SRI SARADA COLLEGE FOR WOMEN (Autonomous)

TIRUNELVELI 627011

COURSE TEACHING/LECTURE/EXAM PLAN

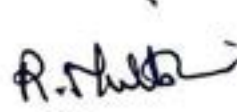
Department	Name of the faculty/s for the course	Academic year	Class
Commerce	Dr.R.Kavitha, Dr.P.Subha	2023 -2024	II B.Com
Semester	Course code	Course title	
4	19UCMC42	Business Statistics	
Title of the book (Text/Reference)		Author/s	Edition & Publisher
Business Statistics		Dr.S.P.Gupta.M.P.Gupta	Sultan Chand & Sons New Delhi 2001(1)
Statistics theory & practice		R.S.N.Pillai and Bhagavati	Chand & Co., New Delhi 2009(7)

Unit No	Topics	No. of hours	Proposed days/date	Remarks- Faculty/Teaching aids
I	Introduction: Meaning –Definition –Importance –Application – Limitations of Statistics	2	15	Chalk and Talk
	Statistical survey –Planning and design of survey	3		
	Collection of Data –Sources-Primary and secondary data	3		
	Techniques –Census method and sampling method	2		
	Methods of sampling, Classification and tabulation of data	3		
	Diagrammatic and graphic presentation of data.	2		
II	Measures of Central Tendency: Meaning –Definition – Functions	3	15	Chalk and Talk
	Mean –Merits -Demerits -Median	4		
	Mode –Merits -Demerits –Geometric Mean –Merits- Demerits	4		
	Harmonic Mean –Merits -Demerits.	4		
III	Measures of Dispersion and Skewness: Meaning - Definition -Methods of Dispersion -Range	3	15	Chalk and Talk
	Quartile Deviation –Mean Deviation	3		
	Standard Deviation –Co-efficient of Variation	3		
	Skewness -Methods of Skewness	2		
	Karl Pearson's Co-efficient of Skewness	2		
	Bowley's Co-efficient of Skewness	2		
IV	Correlation and Regression: Meaning –Types -Scatter Diagram – Karl Pearson's Co-efficient of Correlation	3	15	Chalk and Talk
	Rank Correlation –Concurrent Deviation Method	3		
	Regression Analysis –Uses -Regression Line	3		
	Regression Equations –Least Square Method	3		
	Deviations taken from actual mean and assumed mean method	3		
V	Index Numbers and Analysis of Time Series: Meaning –Types –Problems- Methods of Constructing Index Numbers – Weighted and Unweighted Indices	3	15	Chalk and Talk
	Index Number Tests –Consumer Price Index Numbers. Analysis of Time Series	3		
	Meaning –Importance –Components of Time Series	2		
	Secular trend, Seasonal, Cyclical and Irregular Variations	2		
	Measurement of Trend -Graphic method -Semi Average Method	2		
	Moving Average Method –Method of Least Square	3		

Date of CIAs: As per college calendar/need based amendments.

Date:


Principal


HO


Course Teacher

Sri Sarada College for Women (Autonomous), Tirunelveli 627011

Course Teaching/Lecture/Exam Plan

Department	Name of the faculty/s for the Course	Academic Year	Class
Commerce	Dr. M.VEERALAKSHMI	2023 - 2024	II.B.Com
Semester	Course Code	Course Title	
IV	22UCMA41	HUMAN RESOURCE MANAGEMENT	

Title of the book (Text/Reference)	Author/s	Edition & Publisher
Human Resource Management	Aswathappa	Tata Mc Graw Hill, New delhi 2014(7)
Office Management	V.Karthiresan, Dr.Radha	Prasanna Publishers, Chennai 2004 (1)
Human Resource Management	Bhattachanayak, Biswajwet	Prentice Hall of India, New Delhi 2006 (1)
Principles of Human Resource Management	T.Eugine	Vrinda Publications, New Delhi 2013 (1)
Commercial Correspondence and office Management	R.S.N. Pillai , Bagavathy	Scitech Publishers, Chennai 2001 (1)

Unit No	Topics	No. of hours	Proposed days/date	Remarks- Faculty/ Teaching aids
I	Introduction: Meaning – definition – postal management & HRM, Comparison – qualities of HR Manager – objectives – Characteristics of HRM –	2	6	CHALK& TALK
	Functions – Principles – Need for HRM – Organisation	2		
	Recruitment: Concept – policy – Recruitment Process – Recruitment Planning – sources of Internal and External – Factors affecting recruitment - selection – Process – selection test.	2		
II	Employee strain: Concept – Role of training & Development – Assessing training needs – Model for training – organising training & development programme – training methods – promotion – types – demotion – labour turnover performance Appraisal methods	2	6	CHALK& TALK
	Human Resource Planning: Meaning – objectives – Need – Process – Problems – Job analysis – job description – job specification – meaning – process – techniques of design. Work Participation & Industrial relations:	2		
	collective bargaining – employees grievances – Industrial relations.	2		
IV		4	6	CHALK& TALK
		4		
V		2	6	CHALK& TALK
		4		

Date of CIAs: As per college calendar/need based amendments.

Date:

Ramale
Principal

R. P. ...
HoD

M. Veeralakshmi
Course Teacher

SRI SARADA COLLEGE FOR WOMEN (Autonomous)
TIRUNELVELI 627011
COURSE TEACHING/LECTURE/EXAM PLAN

Department	Name of the faculty/s for the course	Academic year	Class
Commerce	M. Dhanalakshmi	2023-24	II Year B.Sc., Comp. Sci, IT, Maths & BA Eco
Semester	Course code	Course title	
IV	22UNCO4A	Financial Accounting	

Title of the book (Text/Reference)	Author/s	Edition & Publisher
Financial Accounting	T.S.Reddy&A.Murthy	Margham publication Chennai 2011(6)
Advanced Accounting	S.P.Jain&L.Narang	Kalyani publication New Delhi 2012(18)

Unit No	Topics	No. of hours	Proposed days/date	Remarks-Faculty/ Teaching aids
I	Average Due Date:Meaning –Definition –Objectives	1	6	Chalk and Talk
	Basic types of problem	1		
	Determination of Due Date –Calculation of Interest	2		
	Utility of Average Due Date	2		
II	Bank Reconciliation Statement:Meaning –Causes of difference between balance as per cash book and pass book	1	6	Chalk and Talk
	Need of Bank Reconciliation Statement	1		
	Preparation of Bank Reconciliation Statement	2		
	Adjustments in cash book	2		
III	Insurance Claim:Meaning –Loss of Stock	1	6	Chalk and Talk
	Loss of Profit –Difference between loss of stock policy & loss of profit policy	1		
	Steps to be followed to ascertain Claim	2		
	Calculation of Actual Claim.	2		
IV	Voyage Account:Meaning –Important terms	1	6	Chalk and Talk
	Bunker cost –Port charges	1		
	Primage –Passage Money	1		
	Stevedoring charge –Incomplete voyage	1		
	Completed voyage method.	2		
V	Hire Purchase and Installment System: Hire Purchase - Meaning –Features	1	6	Chalk and Talk
	Hire purchase Vs Sales –Installment system	1		
	Meaning –Hire purchase Vs Installment			
	Purchase system –Methods of calculating interest	2		
	Treatment towards default in installment payment			
Complete Possession	2			
Partial Possession.				

Date:


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Course Teacher

SRI SARADA COLLEGE FOR WOMEN (Autonomous)
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COURSE TEACHING/LECTURE/EXAM PLAN

Department	Name of the faculty/s for the course	Academic year	Class
Commerce	Dr. P. SUBHA	2023-2024	II B.Com CS
Semester	Course code	Course title	
IV	22UCCC43	Capital Market & Corporate Finance	

Title of the book (Text/Reference)	Author/s	Edition & Publisher
Investment Analysis and Portfolio Management	Prasanna Chandra	Tata McGraw Hill Publishing Co, Ltd., Chennai.
Security Analysis and Portfolio Management	Punithavathy Pandian	Vikas Publishing House Pvt Ltd, New Delhi

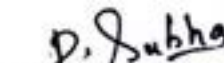
Unit No	Topics	No. of hours	Proposed days/date	Remarks-Faculty/ Teaching aids
I	Capital market in India: Financial market- structure, capital market-meaning, classification – primary and secondary – Indian securities market –government securities market – Online Trading	2 3 6 4	17	Chalk & Talk
II	Primary market: Methods of flotation of capital , public issue-IPO-FPO-Procedure of public issue – Book building process – Role of intermediaries – Private placement Secondary market: Functions of stock exchange-Dematerialization of securities- Depositories	5 5 5	13	Chalk & Talk
III	Regulatory Framework of stock exchanges: Securities contract (Regulation) Act(basics only) – Role and functions of SEBI—Major stock exchanges in India BSE – NSE – Listing – Online trading – Clearance and settlement – Rolling settlement Investment Vs Speculation –regulatory functions – development functions –Investor protection mechanism – purpose – operation.	6 4 3 2	13	Chalk & Talk
IV	Capitalization – Pattern of financing - Principles governing financial plan – estimating capital requirement - Assessment of fixed capital requirement - Factors determining fixed capital - Management of fixed capital- Over capitalization-Under capitalization-Capital gearing.	5 5 5	14	Chalk & Talk
V	Working capital management – Concept of working capital - Need for working capital - Determination of working capital-importance- financing of working capital management - sources of working capital.	5 5 5	14	Chalk & Talk

Date of CIAs: As per college calendar/need based amendments.

Date:


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Course Teacher

SRI SARADA COLLEGE FOR WOMEN (Autonomous)
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COURSE TEACHING/LECTURE/EXAM PLAN

Department	Name of the faculty/s for the course	Academic year	Class
Commerce	Dr.R.Kavitha	2023 – 2024	III B.Com
Semester	Course code	Course title	
6	19UCOC61	Company Accounts	

Title of the book (Text/Reference)	Author/s	Edition & Publisher
Advanced Accounting	Jain S.P Narang K.L	Reprint 2002 – Kalyani Publishers, Chennai
Advanced Accountancy Volume - II	M.Wilson	2009 (1) – Scitech Publications, Chennai

Unit No	Topics	No. of hours	Proposed days/date	Remarks- Faculty/ Teaching aids
I.	Liquidation - Introduction - Meaning - Liquidation and insolvency - Modes of winding up - Order of payment	5	15	Chalk and Talk
	Powers and duties of liquidator - Statement of affairs	5		
	Distribution of surplus - Liquidator's final statement of accounts.	5		
II.	Accounts of Banking Companies - Meaning - Objectives - Advantages - Legal provisions	3	15	Chalk and Talk
	Disposal of non-banking assets - Restrictions on commission and dividend	4		
	CRR and SLR - Money at call and at short notice - Acceptances	4		
	Advances - Endorsements - Bill for Collection - Rebate on bill discounted problems.	4		
III.	Holding Company Accounts - Meaning - Objectives - Advantages - minority interest - Cost of control - Capital and revenue profit	4	15	Chalk and Talk
	Revaluation of assets and liabilities - Treatment of dividend	4		
	Sale of shares - Share premium - Preliminary expenses	4		
	Consolidated Balance sheet - Problems.	3		
IV.	Double Accounts - Features - Advantages - Accounts of State Electricity Boards - Depreciation - Contingency reserve	5	15	Chalk and Talk
	Development reserve - Tariff and dividend control reserve - Capital base	5		
	Clear profit - Disposal of surplus - Replacement of assets Problems.	5		
V.	Human Resource accounting - Introduction - Definition - Valuation of human resources - Historical cost approach	5	15	Chalk and Talk
	Replacement cost approach - Opportunity cost approach - Merits and demerits	5		
	Objectives - Methods of Human Resource Value Accounting.	5		

Date of CIAs: As per college calendar/need based amendments.

Date:


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Course Teacher

SRI SARADA COLLEGE FOR WOMEN (Autonomous)

TIRUNELVELI 627011

COURSE TEACHING/LECTURE/EXAM PLAN

Department	Name of the faculty/s for the course	Academic year	Class
Commerce	Dr.R.Muthulakshmi	2023-2024	III B.Com
Semester	Course code	Course title	
6	19UCOC62	Management Accounting	

Title of the book (Text/Reference)	Author/s	Edition & Publisher
1.Management Accounting	R.S.N.Pillai & Bagavathi	2014 (1) – Sultan Chand & Sons, New Delhi
2. Principles of Management Accounting	Dr.S.N.Maheswari	2001 (12) - Sultan Chand & Sons, New Delhi
1.Management Accounting	E.Gordon,N.Jeyaram,N.S undaram &	2010 (1) – Himalaya Publishing House, Mumbai
2.Financial and Management Accounting	R.Jeyachandran	2012 (5) - Sultan Chand & Sons, New Delhi
3.Management Accounting	DR.S.N.Maheswari	2001 (3) – Pearson Education, New Delhi
	Alkinson, Antony.A.	

Unit No	Topics	No. of hours	Proposed days/date	Remarks- Faculty/ Teaching aids
I.	Management Accounting: Introduction - Meaning - Definition - Nature and Scope - Utility - Principles - Functions - Limitations	2	5	Online
	Tools of Management Accounting	1		
	Management Accounting Vs Financial Accounting	1		
	Management Accounting Vs Cost Accounting	1		
II.	Ratio Analysis: Introduction - Meaning - Definition - Objectives - Uses and limitations of Ratio analysis	3	15	Chalk and Talk
	Classification of Ratios	3		
	Financial ratios	4		
	Profitability Ratios - Turnover Ratios.	5		
III.	Fund Flow Analysis: Introduction - Meaning - Reason for preparing Fund Flow Statement - Uses of Fund Flow Statement	3	15	Chalk and Talk
	Preparation of Fund Flow Statement	3		
	Adjustment regarding treatment of provision for Taxation, Proposed Dividend and Depreciation	4		
	Sources and Application of Funds.	5		
IV.	Cash Flow Analysis (AS 3): Introduction - Meaning - Definition - Uses of cash flow statement	1	10	Chalk and Talk
	Difference between Cash Flow and Fund Flow Statement - Preparation of Cash Flow Statement from operations	1		
	Procedure for preparation of cash flow	1		
	Utility and Limitations of Cash Flow Analysis. (Simple problems only)	7		
V.	Capital Budgeting: Meaning - Definition - Uses -Concepts - Importance of Capital Budgeting - Advantages - Disadvantages	3	15	Chalk and Talk
	Capital Budgeting Methods	3		
	Payback period method - Net Present Value method	4		
	Internal Rate of Return Method (Simple problems only).	5		

Date:


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HOD


Course Teacher

SRI SARADA COLLEGE FOR WOMEN (Autonomous)

TIRUNELVELI 627011

COURSE TEACHING/LECTURE/EXAM PLAN

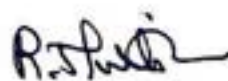
Department	Name of the faculty/s for the course	Academic year	Class
Commerce	S. Sankaralingam	2023 - 2024	III B.Com
Semester	Course code	Course title	
6	19UCOC63	Industrial Law	

Title of the book (Text/Reference)	Author/s	Edition & Publisher
1.General and Commercial Law	N.D.Kapoor Rajiniabbi	2001 (2) – Sulthand Chand & Sons, New Delhi
2.Law, Ethick & Communication	Dr.G.K.Kapoor & Dr.C.B.Gupta	2001 (3) - Sulthan Chand & Sons, New Delhi
3.Elements of Mercantile Law	N.D.Kapoor	2014 (36) - Sulthan Chand & Sons, New Delhi
1.Corporate and Allied Laws	Dr.G.K.Kapoor	2003 (2) - Sulthan Chand & Sons, New Delhi
2.Law, Ethick & Communication	Dr.G.K.Kapoor & Dr.C.B.Gupta	2004 (3) - Sulthan Chand & Sons, New Delhi
3.Company Law	Dr.G.K.Kapoor	2003 (6) - Sulthan Chand & Sons, New Delhi

Unit No	Topics	No. of hours	Proposed days/date	Remarks- Faculty/ Teaching aids
I	The Factories Act, 1948 - Definitions - Approval, licensing and registration of factories - Duties of occupier - Inspecting staff - Certifying surgeons	5	18	Online
	Provisions for health - Safety – Welfare	5		
	Working hours and holidays - Employment of young persons and women	4		
	Annual leave with wages - Penalties and procedure.	4		
II	Workmen Compensation Act 1923 - Scope and coverage - Definitions - Rules - Personal injury by accident	4	16	Chalk and Talk
	Occupational diseases arising out of and in the course of employment	4		
	Theory of national extension - Amount of compensation	4		
	Distribution of the compensation - Notice and claim.	4		
III	Industrial Disputes Act 1947 - Object - Definitions - conciliation - Machinery - Adjudication machinery - powers and duties of Author/sities - Procedures	10	21	Chalk and Talk
	Voluntary reference to arbitration - Award	4		
	Strike – and lock outs - Lay off - Retrenchment	4		
	Transfer and closing down of their undertaking – Penalties.	3		
IV	The Trade Unions Act, 1926 Registration of trade unions - Rights and liabilities of registered trade unions - Regulations	2	10	Chalk and Talk
	Penalties and procedure Consumer Act 1986	2		
	Consumer Protection Council - Jurisdiction of District Forum	2		
	Jurisdiction of State Commission	4		
V	The Employees' State Insurance Act 1948 - Establishment of Employees' State Insurance Corporation. - Constitution of Corporation. Term of office of the members of the Corporation.	3	10	Chalk and Talk
	The payment of Gratuity Act 1972	2		
	Determination of the amount of gratuity - Powers of Inspectors	3		
	Recovery of gratuity- Protection of gratuity (With Case Studies)	2		

Date:


Principal


HOD


Course Teacher

Sri Sarada College for Women (Autonomous), Tirunelveli 627011
Course Teaching/Lecture/Exam Plan

Department	Name of the faculty/s for the course	Academic year	Class
Commerce	Dr. V. Sangeetha	2023 - 2024	III B.Com
Semester	Course code	Course title	
VI	19UCOC64	AUDITING	

Title of the book (Text/Reference)	Author/s	Edition & Publisher
Practical Auditing (for UG courses)	B.N.TandonS.SudharsanamS. Sundrarabahu	Sulthand Chand Company, New Delhi
A Hand book of Practical Auditing	Dr.B.M.TandonDr.S.Sutharsanam Dr.S.Sundrarabahu	Sulthand Chand Company, New Delhi
Practical Auditing	S.Vengadamani	Margham Publications, Chennai
Practical Auditing (As per Companies Act,2013)	Dr.L.Natarajan	Margham Publications, Chennai

Unit No	Topics	No. of hours	Proposed days/date	Remarks-Faculty/ Teaching aids
I	Introduction -meaning -objectives - difference between Accountancy and Auditing - advantages - limitations - Audit programme - Audit working papers - preliminaries before Audit - test checking and routine checking.	5 4 3	12	Black Board
II	Internal check and internal control - meaning - objectives - difference between internal control and internal Audit - Advantages and Disadvantages of internal check - internal check regarding cash, purchases, purchase returns, sales and sales returns.	3 2 4 3	12	Black Board
III	Vouching - meaning - objects - importance of vouchers - precautions to be taken by the Auditors while examining vouchers - vouching of cash transactions - Vouching of trading transactions.	5 3 4	12	Black Board
IV	Verification and valuation of assets and liabilities - classification of assets - verification of different types of assets - verification of liabilities - Valuation of investment, Stock -in -Trade and Book debts.	4 3 5	12	PPT & Black Board
V	Company Auditor - Appointment - qualification and disqualification - removal of an Auditor - status -rights - duties and liabilities - Auditor's Report - content - kinds of Auditors Report - general considerations for drafting the report.	5 4 3	12	PPT & Black Board

Date of CIAs: As per college calendar/need based amendments.

Date:


Principal

 
HoD Course Teacher

SRI SARADA COLLEGE FOR WOMEN (Autonomous)
TIRUNELVELI 627011
COURSE TEACHING/LECTURE/EXAM PLAN

Department	Name of the faculty/s for the course	Academic year	Class
Commerce	Dr. Milka Vijayan	2023-24	III B.Com
Semester	Course code	Course Title	
VI	22UCOC65	Income Tax, Law and Practices- II	

Title of the book (Text/Reference)	Author/s	Edition & Publisher
Income Tax Theory, Law and Practice	T.S.Reddy and Y.Hari Prasad Reddy	2023(1) Margham Publications, Chennai
Income tax Law and Accounts	Dr. H.C. Mehrotra and Dr. S.P. Goyal	2023 (38) Sahitya Bhawan Publications, Agra.

Unit No	Topics	No. of hours	Proposed days/date	Remarks-Faculty/ Teaching aids
I	Income from Capital Gain: Capital Assets –Meaning - Kinds - Transfer of capital assets - Procedure for computing Capital Gain	18hrs	4	Black Board
	Cost of acquisition, Cost of improvement -Determining STCG and LTCG		2	
	Determining indexed cost for acquisition and improvement Types – Exemptions – Computation – Problems in computation of Capital Gain		12	
II	Income under the head other sources: Introduction - Other Income chargeable under this Head - Dividend	18hrs	1	Black Board
	Interest on Securities-Casual Income		1	
	Deduction to be made from Income from Other Sources - Computation – Problems		16	
III	Set-off and carry forward of losses: Introduction - Scheme of set-off and carry forward of losses – Intra-head, Inter-head set off	18hrs	4	Black Board
	Order of set-off - Carry forward and set-off speculation loss		2	
	Losses under the head Capital gain, Losses in respect of owning and maintaining of race horses		12	
IV	Deduction from Gross total Income: Introduction - Deduction under section 80C-80G - Problems	18hrs	8	Black Board
	Procedures for Assessment – Returns – Types of returns		2	
	Types of Assessment – Tax Deducted at source		8	
V	Assessment of Individual and AOP: Introduction - Computation of total income of an individual	18hrs	5	Black Board
	Computation of taxable income-Computation of Tax Liability -Relief of Income Tax		6	
	Taxability of a member of AOP - Problems including computation of tax		7	

Date of CIAs: As per college calendar/need based amendments.

Date:


Principal


HoD


Course Teacher

SRI SARADA COLLEGE FOR WOMEN (Autonomous)

TIRUNELVELI 627011

COURSE TEACHING/LECTURE/EXAM PLAN

Department	Name of the faculty/s for the course	Academic year	Class
Commerce	Dr. Milka Vijayan	2023-24	III B.Com
Semester	Course code	Course Title	
VI	22UCOC66	Application of Tally in Accounting	

Title of the book (Text/Reference)	Author/s	Edition & Publisher
Implementing Tally 9.0	A.K.Nadhani and K.K.Nadhani	2007 (1) Reprint 2009 & BPB Publications, New Delhi
Tally ERP 9 in Simple Steps	Editorial Board	2014 (1) & Dream Tech Publications, New Delhi

Unit No	Topics	No. of hours	Proposed days/date	Remarks-Faculty/ Teaching aids
I	Fundamentals of Tally. ERP 9 - Introduction-salient features of Tally. ERP 9, Getting functional with Tally ERP 9, start up, Quitting Tally.	18hrs	4	Black Board
	ERP 9 - Create a Company, select a Company, Alter a Company, Shut a Company		6	
	Company Features - Configurations - GST		8	
II	Create Accounting Masters in Tally. ERP 9 - Groups-Pre-defined Groups of Accounts, Creating Single Group	18hrs	5	Black Board
	Creating Multiple Groups, Displaying Groups, Altering Group- Ledgers-Creating single ledger		7	
	Creating Multiple Ledger, Displaying Ledger, Altering Ledger.		6	
III	Creating Inventory of masters in Tally. ERP 9 - Stock Groups-Creating Single, Multiple Stock Group Displaying and Altering Stock Groups	18hrs	4	Black Board
	Stock Categories -Creating Single, Multiple Stock Categories, Displaying and Altering Stock Category		5	
	Units of Measure, Godowns- Creating Single Multiple Godowns, Displaying and Altering Godowns		5	
	Stock Items- Creating Single, Multiple Stock Items, Displaying and Altering Stock Items		4	
IV	Voucher Entry In Tally ERP 9 - Voucher Types-Predefined vouchers in Tally.ERP 9, Creating Voucher Type	18hrs	9	Black Board
	Displaying voucher Type, Altering Voucher Types - Financial Statements -Balance Sheet, Profit & loss A/c, Trial balance		9	
V	Accounting Books & MIS Reports ERP 9 - Cash book, Bank Book, Purchase Register, Sales Register, Journal Register	18hrs	9	Black Board
	Debit Note Register, Credit Note Register, Day Book, Statistics, Bank Reconciliation Statement.		9	

Date of CIAs: As per college calendar/need based amendments.

Date:



Principal



HoD



Course Teacher

Sri Sarada College for Women (Autonomous), Tirunelveli 627011

Course Teaching/Lecture/Exam Plan

Department	Name of the faculty/s for the course	Academic year	Class
Commerce	Dr. V. Sangeetha	2023 - 2024	I M.Com
Semester	Course code	Course title	
II	22PCMC41	Strategic Cost Management	

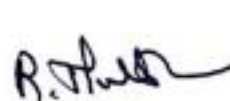
Title of the book (Text/Reference)	Author/s	Edition & Publisher
"Strategic Cost Management", 5 th Edition, Taxmann Publications Pvt. Ltd, New Delhi.	Ravi M Kishore (2018),	Strategic Cost Management", 5 th Edition, Taxmann Publications Pvt. Ltd, New Delhi.
Strategic Cost Management", 1 st Edition, Himalaya Publishing House Pvt Ltd, Mumbai.	Bandgar P. K., (2017),	Strategic Cost Management", 1 st Edition, Himalaya Publishing House Pvt Ltd, Mumbai.
Sexena V. K., (2020)	Strategic Cost Management and Performance Evaluation",	1 st Edition, Sultan Chand & Sons, New Delhi.

Unit No	Topics	No. of hours	Proposed days/date	Remarks-Faculty/ Teaching aids
I	Introduction to Strategic Cost Management: Introduction to Strategic Cost Management (SCM) – Need for SCM – Differences between SCM and Traditional Cost Management - Value Chain Analysis: Meaning and steps - Quality Cost Management: Meaning of Quality and Quality Management – Cost of Quality – Indian Cost Accounting Standard 21 on Quality Control - Introduction to Lean System – Benefits of Lean System – Just in Time (JIT) – Kaizen Costing.	2 3 4 3 2 2 2	18	Black Board
II	Cost Control and Reduction: Cost Management Techniques: Cost Control: Meaning and Prerequisites - Cost Reduction: Meaning and Scope – Differences between Cost control and cost reduction - Pareto Analysis: Meaning, importance and applications - Target Costing: Meaning, steps and Principles – Life Cycle Costing: Meaning, Strategies for each stage of product life cycle, Benefits – Learning Curve: Meaning, Learning curve ratio and applications.	2 2 2 2 3 2 2 3	18	Black Board
III	Income from House Property: Activity Based Cost Management Activity Based Cost Management: Concept, Purpose, Stages, Benefits, Relevance in Decision making and its Application in Budgeting – Practical problems.	3 4 5 6	18	Black Board
IV	Transfer Pricing Transfer Pricing: Meaning, Benefits, Methods: Pricing based on cost, Market price on transfer price, Negotiated pricing and Pricing based on opportunity costs – Practical Problems.	5 5 8	18	PPT & Black Board
V	Capital Gains and Computation of Total Income: Capital gains–Basis of Charge - Definitions–Capital assets– Transfer–computation of income from Capital Gains – Exemptions allowable from the Computation of Total Income - Deductions U/S 80- Problems - Calculation of Tax Liability.	5 4 5 4	18	PPT & Black Board

Date of CIAs: As per college calendar/need based amendments.

Date:


Principal


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Course Teacher

SRI SARADA COLLEGE FOR WOMEN (Autonomous)
TIRUNELVELI 627011
COURSE TEACHING/LECTURE/EXAM PLAN (EVEN SEMESTER)

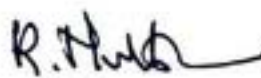
Department	Name of the faculty/s for the course	Academic year	Class
Commerce	Dr. R. KAVITHA & Dr. P. SUBHA	2023 – 2024	I M.COM
Semester	Course Code	Course title	
II	23PCMC21	CORPORATE ACCOUNTING	

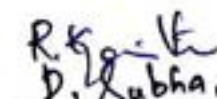
Title of the book (Text/Reference)	Author/s	Edition & Publisher
Corporate Accounting	Reddy T. S. & Murthy A., (2022)	Volume I & II", 14 th Edition, Sultan Chand & Sons, New Delhi.
Corporate Accounting	Gupta R. L. & Radhaswamy M. (2021)	Volume I & II", 17 th Edition, Margham Publications, Chennai.

Unit No	Topics	No. of hours	Proposed days/date	Remarks-Faculty/ Teaching aids
I	Issue of Shares and Final Accounts of Companies: Issue of Shares: ESOPs - ESPS - Sweat Equity Shares - Book Building- Buy-back of Shares.	9	18	Chalk and Talk
	Conversion of debentures into shares - Final accounts of Companies as per Schedule III of the Companies Act, 2013 .	7		
	Managerial remuneration.	2		
II	Insurance Company Accounts: Insurance Company Accounts: Types of Insurance	4	18	Chalk and Talk
	Final accounts of life assurance Companies- Ascertainment of profit	7		
	Valuation Balance Sheet-Final accounts of Fire, Marine and miscellaneous Insurance Companies.	7		
III	Consolidated financial statements: Consolidated financial statements as per AS 21: Consolidated Profit and Loss Account.	6	18	Chalk and Talk
	Minority interest – Cost of control	4		
	Capital reserve – Inter-company holdings	4		
	Preparation of consolidated Balance Sheet.	4		
IV	Contemporary Accounting Methods	4	18	Chalk and Talk
	Accounting for price level changes			
	Social responsibility accounting	4		
	Human resource accounting	6		
V	Financial reporting: Financial reporting: Meaning, Objectives, Characteristics	5	18	Chalk and Talk
	Indian Accounting Standards (AS 5, AS 10, AS 19, AS 20)	5		
	Corporate Social Responsibility: Meaning, Key provisions of Companies Act, 2013	4		
	Accounting for CSR expenditure, Reporting of CSR, Presentation and disclosure in the financial statements.	4		

Date:


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Course Teacher

SRI SARADA COLLEGE FOR WOMEN (Autonomous)
TIRUNELVELI 627011
COURSE TEACHING/LECTURE/EXAM PLAN

Department	Name of the faculty/s for the course	Academic year	Class
Commerce	Dr. Milka Vijayan	2023-24	I M.Com
Semester	Course code	Course Title	
II	23PCMC23	Setting Up of Business Entities	

Title of the book (Text/Reference)	Author/s	Edition & Publisher
Amit Vohra & Rachit Dhingra	Setting Up Of Business Entities & Closure	6 th Edition & Bharath Law House, New Delhi
Kailash Thakur	Environment Protection Law and Policy in India	2 nd Edition & Deep & Deep Publication Pvt. Ltd., New Delhi.

Unit No	Topics	No. of hours	Proposed days/date	Remarks-Faculty/ Teaching aids
I	Startups in India-Types of business organisations –Factors governing selection of an organisation - Startups – Evolution – Definition of a Startup – Startup landscape in India	18hrs	5	Black Board
	Startup India policy – Funding support and incentives – Indian states with Startup policies – Exemptions for startups – Life cycle of a Startup		5	
	Important points for Startups – Financing options available for Startups – Equity financing – Debt financing		4	
	Venture capital financing – IPO – Crowd funding – Incubators - Mudra banks –Successful Startups in India		4	
II	Not-for-Profit Organisations - Formation and registration of NGOs – Section 8 Company – Definition – Features – Exemptions	18hrs	3	Black Board
	Requirements of Section 8 Company – Application for incorporation – Trust: Objectives of a trust		5	
	Persons who can create a trust – Differences between a public and private trust – Exemptions available to trusts – Formation of a trust		4	
	Trust deed –Society – Advantages – Disadvantages – Formation of a society – Tax exemption to NGOs.		6	
III	Limited Liability Partnership and Joint Venture - Limited Liability Partnership: Definition – Nature and characteristics – Advantages and disadvantages	18hrs	6	Black Board
	Procedure for incorporation – LLP agreement – Annual compliances of LLP-Business collaboration: Definition – Types		5	
	Joint venture: Advantages and disadvantages – Types – Joint venture agreement - Successful joint ventures in India Special Purpose Vehicle – Meaning – Benefits – Formation.		7	
IV	Registration and Licenses-Registration and Licenses: Introduction – Business entity registration – Mandatory registration – PAN	18hrs	4	Black Board
	Significance – Application and registration of PAN – Linking of PAN with Aadhar –TAN – Persons liable to apply for TAN – Relevance of TAN		5	
	Procedure to apply for TAN –GST: Procedure for registration – Registration under Shops and Establishment Act –MSME registration		6	
	Clearance from Pollution Control Board – FSSAI registration and license – Trade mark, Patent and Design registration.		3	

V	Environmental Legislations in India: Geographical Indication of Goods (Registration and Protection) Act, 1999: Objectives, Salient Features - The Environmental Protection Act, 1986: Prevention, control and abatement of environmental pollution	18hrs	7	Black Board
	The Water (Prevention And Control of Pollution) Act, 1974: The Central and State Boards for Prevention and Control of Water Pollution - Powers and Functions of Boards - Prevention and Control of Water Pollution - Penalties and Procedure		5	
	The Air (Prevention and Control of Pollution) Act, 1981: Central and State Boards for The Prevention and Control of Air Pollution - Powers And Functions - Prevention and Control of Air Pollution - Penalties and Procedure.		6	

Date of CIAs: As per college calendar/need based amendments.

Date:

Principal

HoD

Course Teacher

**SRI SARADA COLLEGE FOR WOMEN (Autonomous),
TIRUNELVELI - 627011.**

COURSE TEACHING/LECTURE/EXAM PLAN

Department	Name of the Faculty For the Course	Academic year	Class
Commerce	M.Dhanalakshmi	2023-2024	I M.Com
Semester	Course code	Course Title	
II	23PCME21B	AUDIT AND DUE DILIGENCE	

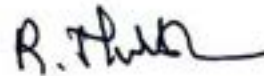
Title of the book (Text/Reference)	Authors	Edition & Publisher
AUDIT AND DUE DILIGENCE	Anoop Jain C. S, (2022),	A J Publications Chennai, Tamilnadu.
AUDIT AND DUE DILIGENCE	Justin J Camp	Wiley & Sons

Unit. No	Topic	No.Of Hours	Proposed Day/Date	Remarks- Faculty Teaching Aid
I	Audit: Meaning – Types of Audit: Corporate Governance Audit: Meaning and scope;	2	12	Chalk and Talk
	Corporate Social Responsibility Audit: Meaning and objectives	2		
	Insider Trading Audit: An introduction – Labour Law audit: Meaning, process and benefits	4		
	Environment Audit: Meaning and Need – Social Audit: Meaning and implications – Introduction to Takeover Audit.	4		
II	Secretarial Audit: Meaning – Need – Applicability of Secretarial Audit under Companies Act, 2013	6	12	Chalk and Talk
	SEBI (Listing Obligations and Disclosure Requirements) Regulations, 2015 – The process of Secretarial Audit – Scope and Benefits of Secretarial Audit.	6		
III	Due diligence: Meaning, Need, Objectives and Scope	6	12	Chalk and Talk
	Factors to be considered while conducting due diligence – Process of due diligence – Techniques of due diligence.	6		
IV	Types of Due Diligence: Operational, Strategic, Financial, Technical,	6	12	Chalk and Talk
	Legal, Management, Technical, Environmental, Human Resource.	6		
V	Due diligence for Mergers and Amalgamation: Introduction and Process, Preparation of scheme of amalgamation	6	12	Chalk and Talk
	Due diligence for take overs - Guidance on diligence reporting – Format of diligence report.	6		

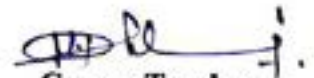
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Course Teacher

SRI SARADA COLLEGE FOR WOMEN (Autonomous)
TIRUNELVELI 627011
COURSE TEACHING/LECTURE/EXAM PLAN (EVEN SEMESTER)

Department	Name of the faculty/s for the course	Academic year	Class
Commerce	Dr. P. SUBHA	2023 – 2024	I M.COM
Semester	Course Code	Course title	
II	23PCME22B	LOGISTICS AND SUPPLY CHAIN MANAGEMENT	

Title of the book (Text/Reference)	Author/s	Edition & Publisher
Logistics and Supply Chain Management	Christopher Martin	5 th Edition, FT Publishing International, India
Supply Chain Management: Strategy, Planning and Operation	Chopra, Sunil, Meindl, Peter and Kalra, D.V	Pearson Education Pvt. Ltd, Noida

Unit No	Topics	No. of hours	Proposed days/date	Remarks- Faculty/ Teaching aids
I	Supply Chain Management: Supply Chain Management: Concept, Features, Evolution, Importance, Process and Barriers of Supply Chain Management	4	12	Chalk and Talk
	Principles, Supply Chain Strategies – Organizations, Coordination, Innovation and Forecasting	3		
	Supply chain intermediaries – Concept and Types, Channels of Distribution for Industrial Goods and Consumer Goods	3		
	Channels of Distribution at Services Level, Factors for selection of suitable channels.	2		
II	Global perspectives: Global perspectives: Measuring and analyzing the value and efficiency of Global Supply Chain Networks, Global market forces, Types of global supply chain	5	12	Chalk and Talk
	Indian Perspectives: Measuring and Analyzing the value and efficiency of Domestic Supply Chain Networks	3		
	Economic effects of supply chains	2		
	Customer Perspectives: Customer values, Role of customers and Ways of improving customer services in SCM.	2		
III	Framework of Logistics: Logistics: Introduction – Positioning of Information in Logistics and Supply Chain Management – Logistics Information System (LIS)	3	12	Chalk and Talk
	Logistics Management: Concept and Process, Competitive Advantages and Three C's, Changing Logistics Environment, Reverse Logistics, Importance of Inventory Control -Elements of inventory management	3		
	– Inbound and out bound logistics, Bull- whip effect – distribution and warehousing management - Transport Functions and Participants in Transportation Decisions - Transport Infrastructure	3		
	Packaging and Materials Management: Consumer and Industrial Goods Packaging - Factors influencing Materials Planning, Preservation Safety and Measures of Materials Handling.	3		
IV	SCM-Warehousing: Introduction– Concepts of Warehousing– Types of Warehouse – Functions of Warehousing	3	12	Chalk and Talk
	Strategic Warehousing, Warehouse Operations, Ownership Arrangements, Warehouse Decisions, Warehouse Management Systems	3		
	Packaging Perspectives, Packaging for Material Handling Efficiency, Materials Handling	3		
	Supply Chain Logistics Design: Global Strategic Positioning; Global SC Integration, SC Security, International Sourcing, Distribution control and evaluation.	3		

V	SCM-Plan: SCM Plan: Demand Planning, Source of Procurement, Production or Assembly Steps, Sales return of defective or excess goods-Use of Internet in SCM: Role of computer/ IT in supply chain management -E- market places, E-procurement, E-logistics, E- fulfilment	5	12	Chalk and Talk
	Operative Systems in SCM: Enterprise Resource Planning (ERP), Performance Modeling of supply chains using Markov chains, Inventory Control- Importance, Pareto's Law - Emerging Technologies in Logistics	4		
	Supply Chain Management: CRM Vs SCM, Benchmarking	1		
	implementation, Outsourcing: Basic concepts, Value addition in SCM – Concept of demand chain management - Growth of Logistics and Supply Chain Management in national and international scenarios.	2		

Date:

Principal

HoD

Course Teacher

SRI SARADA COLLEGE FOR WOMEN (Autonomous)

TIRUNELVELI 627011

COURSE TEACHING/LECTURE/EXAM PLAN

Department	Name of the faculty for the Course	Academic Year	Class
Commerce	M.Dhanalakshmi	2023-2024	I M.Com
Semester	Course code	Course Title	
II	23PCMS21	Fundamental of Human Rights	

Title of the book (Text/Reference)	Authors	Edition & Reference
Social Justice and Human Rights in India	Namita Gupta	Rawat Publications, Jaipur,
Human Rights in India	SatvinderJuss	Routledge, New Delhi

Unit No	Topic	No. of Hours	Proposed Day/Date	Remarks- Faculty Teaching Aid
I	Meaning and Definitions of Human Rights – Characteristics and Importance of Human Rights	3	12	Chalk and Talk
	Evolution of Human Rights- Formation, Structure and Functions of the UNO	3		
	Universal Declaration of Human Rights	3		
	International Covenants – Violations of Human Rights in the Contemporary Era.	3		
II	Development of Human Rights in India	3	12	Chalk and Talk
	Constituent Assembly and Indian Constitution	3		
	Fundamental Rights and its Classification	3		
	Directive Principles of State Policy – Fundamental Duties.	3		
III	Rights of Women – Rights of Children – Rights of Differently Abled	3	12	Chalk and Talk
	Rights of Elderly - Rights of Scheduled Castes – Rights of Scheduled Tribes	3		
	Rights of Minorities – Rights of Prisoners	3		
	Rights of Persons Living with HIV/AIDS – Rights of LGBT	3		
IV	Peasant Movements (Tebhaga and Telangana) – Scheduled Caste Movements (Mahar and Ad-Dharmi)	3	12	Chalk and Talk
	Scheduled Tribes Movements (Santhal and Munda)	3		
	Environmental Movements (Chipko and Narmada BachaoAndolan) – Social Reform Movements (Vaikom and Self Respect).	6		
V	Protection of Human Rights Act, 1993 (Amendment 2019) – Structure	6	12	Chalk and Talk
	Functions of National and State Human Rights Commissions – National Commission for SCs	3		
	National Commission for STs – National Commission for Women – National Commission for Minorities – Characteristics and Objectives of Human Rights Education.	3		

Date


Principal


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Course Teacher

Sri Sarada College for Women (Autonomous), Tirunelveli 627011

Course Teaching/Lecture/Exam Plan

Department	Name of the faculty/s for the course	Academic year	Class
Commerce	N. Kamala Dr. V. Sangeetha	2023 - 2024	II M.Com
Semester	Course code	Course title	
IV	22PCMC41	ADVANCED COST ACCOUNTING	

Title of the book (Text/Reference)	Author/s	Edition & Publisher
Cost and Management Accounting Method Techniques and Applications	V.K.Saxena C.D.Vashist.	Sultan Chand & Company, New Delhi.
Principles and Practice of Cost Accounting	S.P.Jain and Narang	Kalyani Publications, New Delhi.
Cost Accounting	S.P.Iyengar	Sultan Chand & Company, New Delhi.
Practical Costing	B.S.Khanna Pandy .I.M. Ahuja.G.K.Arora.M.N	Sultan Chand & Company, New Delhi.
Cost Accounting	R.S.N.Pillai & Bagavathi	Sultan Chand & Company, New Delhi.
Cost Accounting	T.S.Reddy & Murthy.L	Margham Publications, Chennai.

Unit No	Topics	No. of hours	Proposed days/date	Remarks-Faculty/ Teaching aids
I	Cost Accounting Costing – Meaning, Definitions- Cost Accounting - Difference between cost and financial accounts – Analysis of Cost and Cost Centre – Cost concepts - Installation of Cost System – Preparation of cost sheet – Tenders and Quotations – Advanced Problems.	5 5 5 3	18	Black Board
II	Contract Costing Contract Costing - Profit on Incomplete Contracts- Escalation Clause -Cost plus Contract-Work In Progress - Problems - Mechanized accounting..	5 5 8	18	Black Board
III	Job and Process Costing: Job Costing – Features- Batch Costing -Process Costing – Job Costing Vs. Process Costing – Process losses – Inter Process Profit – Equivalent production– Joint products and By Products.	5 6 5 7	18	Black Board
IV	Operating and Service Costing- Meaning-Cost unit - Characteristics - Transport costing-Objects– Service Costing - Hotel, boiler house costing , hospital costing -Canteen costing , Power House, Cinema House Costing- Problems	5 5 5 3	18	PPT & Black Board
V	Cost Control Accounts -Integrated accounts - ledgers in financial books- ledgers in cost books- Control accounts- journal entries- Reconciliation of Cost and Financial Accounting - procedure for reconciliation - Memorandum reconciliation account – Cost Audit.	5 5 5 3	18	PPT & Black Board

Date:

Kamala

Principal

R. J. Prasad

HoD

V. Sangeetha

Course Teacher

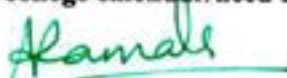
SRI SARADA COLLEGE FOR WOMEN (Autonomous)
TIRUNELVELI 627011
COURSE TEACHING/LECTURE/EXAM PLAN


Department	Name of the faculty/s for the course	Academic year	Class
Commerce	Dr.R.Kavitha	2023 -2024	II M.Com
Semester	Course code	Course title	
4	22PCMC42	Computerized Accounting Packages- Tally ERP 9	
Title of the book (Text/Reference)		Author/s	Edition & Publisher
1.Tally ERP 9 2.Tally ERP 9 (Power of Simplicity): Software for Business and Accounts 3. Learn Tally ERP 9		Dr.Rani, S.Mabellatha Shraddha Singh, Navneet Mehra Dr.Chheda Rajesh, Obaid Motevala	2015(1)- B-Digest Publications, Nagarkoil 2014 (1) - VS Publishers, Mumbai 2013 (1) - ANE Book (P) Ltd, New Delhi

Unit No	Topics	No. of hours	Proposed days/date	Remarks- Faculty/ Teaching aids
I	Fundamentals Of Tally ERP 9: Introduction - Salient Features of Tally ERP 9 - Getting functional with Tally ERP 9 - Start up - Quitting	6	18	Black Board
	Create a Company - Select a Company - Alter a Company - Shut a Company	6		
	Company Features - Configurations.	6		
II	Create Accounting Masters in Tally.ERP 9: Group - Pre-defined Groups of Accounts - Creating Single Group	6	18	Black Board
	Creating Multiple Groups - Displaying Group - Altering Group. Ledgers - Creating Single Ledger	6		
	Creating Multiple Ledgers - Displaying Ledger.	6		
III	Creating Inventory Masters in Tally.ERP: Stock Groups - Creating Single, Multiple Stock Group, Displaying and Altering Stock Groups.	6	18	Black Board
	Stock Categories - Creating Single, Multiple Stock Categories, Displaying and Altering Stock Category	6		
	Unit of Measure , Godowns - Creating Single Multiple Godowns, Displaying and Altering Godowns	6		
IV	Voucher Entry In Tally.ERP 9: Voucher Types - Predefined Vouchers in Tally.ERP 9, Creating Voucher Type,	6	18	Black Board
	Displaying Voucher Type, Altering Voucher Types - Financial Statements - Balance sheet, Profit & Loss A/c	6		
	Trial Balance - Accounting Books & Reports - Different types of vouchers.	6		
V	Getting Started with GST: Introduction - Enabling GST and Defining Tax Details - Transferring Input Tax Credit to GST- Intrastate Supply of Goods	6	18	Black Board
	Interstate Supply of Goods Return of Goods Supply Inclusive of Tax - Defining Tax Rates at Master and Transactions Levels- GST Reports - Input Tax CREDIT	6		
	- GST Tax Payment - Exporting GSTR-1 Return and Uploading in GST Portal - Exempted Goods - Accounting of Supply of Services - Exempted Services - Learning Shortcut Keys.	6		

Date of CIAs: As per college calendar/need based amendments.

Date:


Principal


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Course Teacher

**SRI SARADA COLLEGE FOR WOMEN (Autonomous),
TIRUNELVELI - 627011.**

COURSE TEACHING/LECTURE/EXAM PLAN

Department	Name of the Faculty For the Course	Academic year	Class
Commerce	R. Muthalakshmi	2023-2024	II M.Com
Semester	Course code	Course Title	
IV	22PCMC43	Human Resource Management	

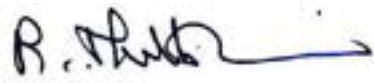
Title of the book (Text/Reference)	Authors	Edition & Publisher
Human Resource Management text and Cases	Aswathappa . K	2013,(7) McGrawHill Education, New Delhi
Human Resource Management	Dr.C.B. Gupta 2009.,	Sultan cChand& Sons, New Delhi

Unit. No	Topic	No.Of Hours	Proposed Day/Date	Remarks-Faculty Teaching Aid
I	Human Resource Management : Meaning – definition – Objectives	2	18	Chalk and Talk
	Need for HRM – HR Planning	2		
	HR Functions – HR Philosophy	3		
	Strategic Human Resource Management	3		
	Trends in Human Resource Management	4		
	Role of HR Managers	4		
II	Job Design and job analysis: Job Design – job Analysis – job Description – job Specification	6	18	Chalk and Talk
	Recruitment – Sources and Techniques – Assessment of Recruitment Program – Selection Procedure – Test – Basic Testing Concept – Types of Test	6		
	Interview – types –Interview Process – Qualities of a Successful Interview – Common Interviewing Mistakes – Placement.	6		
III	Training: Meaning – Importance – Benefits – and Need for Training , Training vs Development	3	18	Chalk and Talk
	Training Objectives – Principles – Methods – Assessment of Training Needs- Assessment Methods – Management Development – Objectives – Essential Ingredients of MDP – Techniques of Management Development Program	4		
	On and off the job Techniques- Performance Appraisal – Meaning – Need – Purpose of Performance Appraisal	5		
	Methods of Performance Appraisal - Characteristics of an Effective Appraisal System – uses - Problems- Advantages	6		
IV	Job Evaluation: Meaning – Objectives – Principles - Procedures	3	18	Chalk and Talk
	Methods of job Evaluation – Problems – Rewards – Types Financial vsNon Financial Rewards	3		
	Salary Administration - Concept- Need - Objectives	4		
	Principles – Elements – Factors Affecting Wage/Salary level	4		
	Fringe Benefits – Need for Extending Fringe Benefits – Objectives – Types – Non Monetary Rewards	4		
V	Industrial Relations: Meaning – Characteristics – Objectives – Functions – Conditions – Factors – HRM vs IR - Approaches	6	18	Chalk and Talk
	Trade union: Meaning - Definition – Characteristics – functions – Methods – Achievement of objectives	4		
	Union Structure – Problems – Measures to Strengthen Trade Union – Movement in India	4		
	Collective Bargaining: Definition – Characteristics – Importance – Need – Principles – Essential conditions for success of Collective Bargaining – Functions - Process – Grievances and Discipline Procedure	4		

Date


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Course Teacher

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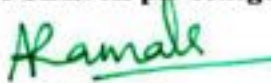
TIRUNELVELI 627011

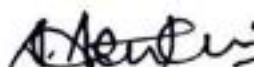
COURSE TEACHING/LECTURE/EXAM PLAN

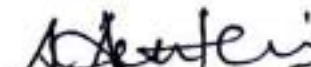
Department	Name of the faculty/s for the course	Academic year	Class
Commerce (Corporate Secretaryship)	DR. A. ARUNA DEVI	2023-2024	III.B.Com (CS)
Semester	Course code	Course title	
VI	19UCPDC51	Personality Development	
Title of the book (Text/Reference)	Author/s	Edition & Publisher	
Personality Development,	Dr.S. NarayanaRajan, Dr. B. Rajasekaran, G. Venkadasalapathi, V. VijureshNayaham and Herald M.Dhas	2008, Publication Division, Manonmaniam Sundaranar University, Tirunelveli	
OrganisationalBehaviour	Stephan P.Robbins	2008, Tenth Edition, Prentice Hall of India Private Limited	

Unit No	Topics	No. of hours	Proposed days/date	Remarks-Faculty/ Teaching aids
I	UNIT -I - PERSONALITY Definition – Determinants – Personality Traits –Theories of Personality – Importance of Personality Development. SELF AWARENESS – Meaning – Benefits of Self – Awareness – Developing Self – Awareness. SWOT – Meaning – Importance-Application – Components. GOAL SETTING Meaning-Importance – Effective goal setting – Principles of goal setting – Goal setting at the Right level	4 3 5 3	16	PPT
II	UNIT – II - SELF MONITORING Meaning – High self – monitor versus low self-monitor – Advantages and Disadvantages self-monitor- Self –monitoring and job performance. PERCEPTION- Definition- Factor influencing perception- Perception process –Errors in perception – Avoiding perceptual errors. ATTITUDE – Meaning- Formation of attitude – Types of attitude - Measurement of Attitudes – Barriers to attitude change – Methods to attitude change. ASSERTIVENESS - Meaning – Assertiveness in Communication – Assertiveness Techniques – Benefits of being Assertive – Improving Assertiveness.	4 7 4	16	Chalk & Talk
III	UNIT – III - TEAM BUILDING Meaning – Types of teams – Importance of Team building- Creating Effective Team.LEADERSHIP – Definition – Leadership style- Theories of leadership – Qualities of an Effect leader.NEGOTIATION SKILLS – Meaning – Principles of Negotiation – Types of Negotiation – The Negotiation Process – Common mistakes in Negotiation process.CONFLICT MANAGEMENT – Definition- Types of Conflict- Levels of Conflict – Conflict Resolution – Conflict management.	3 6 3 3	16	Chalk & Talk
IV	UNIT –IV - TRANSACTIONAL ANALYSIS Meaning – EGO States – Types of Transactions – Johari Window- Life Positions. EMOTIONAL INTELLIGENCE-Meaning – Components of Emotional Intelligence- Significance of managing Emotional intelligence – How to develop Emotional Quotient.	2 3 3 7	15	Group Discussion
V	UNIT – V - Swami Vivekananda's Personality Development. Laws of personality development - different layers of personality - how to work - unselfishness will bring success - be brave - faith in oneself - what is ethics - the power of concentration - develop the sense of equality.	5 3 4 3	12	Chalk & Talk

Date of CIAs: As per college calendar/need based amendments.


Principal


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Course Teacher

SRI SARADA COLLEGE FOR WOMEN (Autonomous)
TIRUNELVELI 627011
COURSE TEACHING/LECTURE/EXAM PLAN

Department	Name of the faculty/s for the course	Academic year	Class
Commerce (Corporate Secretaryship)	Dr P.SUGANYA	2023-2024	I.B.Com (CS)
Semester	Course code	Course title	
II	23UCCC21	FINANCIAL ACCOUNTING II	

Title of the book (Text/Reference)	Author/s	Edition & Publisher
Financial Accounting	T.S. Reddy& A. Murthy,	Margam Publishers, Chennai.
Financial Accounting	S.N. Maheshwari	Vikas Publications, Noida.

Unit	Contents	No. of Hours	Proposed days/date	Remarks- Faculty/ Teaching aids
I	Hire Purchase and Instalment System	2	15	Chalk & Talk
	Hire Purchase System – Accounting Treatment			
	Calculation of Interest	2		
	Default and Repossession	3		
	Hire Purchase Trading Account	4		
	Instalment System - Calculation of Profit	4		
II	Branch and Departmental Accounts	3	15	Chalk & Talk
	Branch – Dependent Branches: Accounting Aspects			
	Debtors system -Stock and Debtors system	2		
	Distinction between Wholesale Profit and Retail Profit			
	Independent Branches (Foreign Branches excluded)	3		
	Departmental Accounts: Basis of Allocation of Expenses	4		
	Inter- Departmental Transfer at Cost or Selling Price.	3		
III	Partnership Accounts - I	3	15	Chalk & Talk
	Partnership Accounts: –Admission of a Partner	3		
	Treatment of Goodwill	3		
	Calculation of Hidden Goodwill	3		
	Retirement of a Partner	3		
	Death of a Partner.	3		
IV	Partnership Accounts - II	4	15	Chalk & Talk
	Dissolution of Partnership - Methods			
	Settlement of Accounts Regarding Losses and Assets			
	Realization account Treatment of Goodwill			
	Preparation of Balance Sheet - One or more Partners insolvent –	2		
	All Partners insolvent –			
	Application of Garner Vs Murray Theory Accounting Treatment	2		
	Piecemeal Distribution Surplus Capital Method	2		
	Maximum Loss Method.	5		
V	Accounting Standards for financial reporting (Theory only)	3	15	PPT and Chalk & Talk
	Objectives and Uses of Financial Statements for Users	3		
	Role of Accounting Standards	3		
	Development of Accounting Standards in India			
	Role of IFRS	3		
	IFRS Adoption vs Convergence Implementation Plan in India			
	Ind AS- An Introduction - Difference between Ind AS and IFRS.	3		
TOTAL			75	

Date of CIAs: As per college calendar/need based amendments

Ramale
Principal

A. S. S. S.
HoD

P. Suganya
Course Teacher

SRI SARADA COLLEGE FOR WOMEN (Autonomous)

TIRUNELVELI 627011

COURSE TEACHING/LECTURE/EXAM PLAN

Department	Name of the faculty/s for the course	Academic year	Class
Commerce (Corporate Secretaryship)	SMT A JEYA	2023-2024	I.B.Com (CS)
Semester	Course code	Course title	
II	23UCCC22	BUSINESS LAW	

Title of the book (Text/Reference)	Author/s	Edition & Publisher
Business Laws-	N.D. Kapoor	Sultan Chand and Sons, New Delhi.
Business Law,	R.S.N. Pillai	S.Chand, New Delhi.

Unit	Contents	No. of Hours	Proposed days/date	Remarks- Faculty/ Teaching aids
I	Elements of Contract			Chalk & Talk
	Indian Contract Act 1872: Definition of Contract, Essentials of Valid Contract, Classification of Contract,	3	15	
	Offer and Acceptance – Consideration – Capacity to Contract – Free Consent - Legality of Object –	4		
	Contingent Contracts – Void Contract	4		
II	Performance of Contract	3		15
	Meaning of Performance, Offer to Perform, Devolution of Joint liabilities & Rights, Time and Place of Performance, Reciprocal Promises, Assignment of Contracts	4		
	Remedies for Breach of contract	5		
	Termination and Discharge of Contract Quasi Contract	3		
III	Contract of Indemnity and Guarantee	3	15	Chalk & Talk
	Contract of Indemnity and Contract of Guarantee	3		
	Extent of Surety's Liability, Kinds of Guarantee, Rights of Surety,	3		
	Discharge of Surety	3		
IV	Bailment and Pledge	3	15	Chalk & Talk
	Bailment and Pledge – Bailment – Concept – Essentials Classification of Bailments, Duties and Rights of Bailor and Bailee	3		
	Law of Pledge – Meaning – Essentials of Valid Pledge, Pledge and Lien,	3		
	Rights of Pawnee and Pawnee.	3		
V	Sale of Goods Act 1930:	3	15	Chalk & Talk
	Definition of Contract of Sale – Formation – Essentials of Contract of Sale - Conditions and Warranties Transfer of Property –	3		
	Contracts involving Sea Routes - Sale by Non-owners Rights and duties of buyer	4		
	Rights of an Unpaid Seller	5		
TOTAL			75	

Date of CIAs: As per college calendar/need based amendments

Ramale
Principal

[Signature]
HoD

M.JEYA
Course Teacher

SRI SARADA COLLEGE FOR WOMEN (Autonomous)
TIRUNELVELI 627011
COURSE TEACHING/LECTURE/EXAM PLAN

Department	Name of the faculty/s for the course	Academic year	Class
Commerce (Corporate Secretaryship)	DR. A. ARUNA DEVI	2023-2024	III.B.Com (CS)
Semester	Course code	Course title	
II	23UCCE21A	OFFICE MANAGEMENT AND SECRETARIAL PRACTICE	

Title of the book (Text/Reference)	Author/s	Edition & Publisher
Office Management	R S N Pillai & Bagavathi	S Chand Publications, New Delhi
Office Management	P.K. Ghosh	Sultan Chand & Sons, New Delhi.
Office Management	R.K. Chopra	Himalaya Publishing House, Mumbai.

Unit No	Topics	No. of hours	Proposed days/date	Remarks- Faculty/ Teaching aids
I	Modern Office and Its Function Introduction — Meaning of Office—Office Work—Office Activities — The Purpose of an Office— Office Functions — Importance of Office— The Changing Office—The Paperless Office — Office Management - Elements— Functions — Office Manager — Success Rules for Office Managers—The Ten Commandments.	4 3 5 3	16	PPT
II	Office Space and Environment Management Introduction— Principles — Location of Office — Office Building — Office Layout —Preparing the Layout — Re-layout — Open and Private Offices — New Trends in Office Layout. Office Lighting— Types of Lighting Systems—Designing a Lighting System - Benefits of Good Lighting in Office —Ventilation—Interior Decoration - Furniture — Freedom from Noise and Dust — Safety from Physical Hazards— Sanitary Requirements—Cleanliness—Security—Secrecy.	4 7 4	16	Chalk & Talk
III	Office Systems and Procedures The Systems Concept —Definitions—Systems Analysis —Flow of Work—Analysis of Flow of Work — Role of Office Manager in Systems and Procedures — Systems Illustrated - Office Machines and Equipments. Office forms - Design, Management and Control	3 6 3 3	16	Chalk & Talk
IV	Records Management Records — Importance of Records — Records Management — Filing —Essentials and Characteristics of a Good Filing System — Classification and Arrangement of Files — Filing Equipment — Methods of Filing — Modern Filing Devices — Centralised vs. Decentralised Filing — Indexing — Types of Indexing—Selection of Suitable Indexing System—The Filing Routine — The Filing Manual — Records Retention — Evaluating the Records Management Programme—Modern Tendencies in Records Making	2 3 3 7	15	Group Discussion
V	Secretarial Practice Role of Secretary: Definition; Appointment, Duties and Responsibilities of a Personal Secretary - Qualifications for Appointment as Personal Secretary. Modern Technology and Office Communication, Email, Voice Mail, Internet, Multimedia, Scanner, Video-Conferencing, Web-Casting. Agenda and Minutes of Meeting. Drafting, Fax-Messages, Email. Maintenance of Appointment Diary.	5 3 4 3	12	Chalk & Talk

Date of CIAs: As per college calendar/need based amendments.

Ramale
Principal

A. Aruna Devi
HoD

A. Aruna Devi
Course Teacher

SRI SARADA COLLEGE FOR WOMEN (Autonomous)
TIRUNELVELI 627011
COURSE TEACHING/LECTURE/EXAM PLAN

Department	Name of the faculty/s for the course	Academic year	Class
Commerce (Corporate Secretaryship)	Dr P.SUGANYA	2023-2024	I YEAR
Semester	Course code	Course title	
II	23UCCS2A	NME-EVERY DAY BANKING	

Title of the book (Text/Reference)	Author/s	Edition & Publisher
Banking theory law and practice	S.N.Maheshwari	Kalyani Publishers, Chennai.
Indian Banking	Parameswaran-	Sultan Chand & Co

Unit	Contents	No. of Hours	Proposed days/date	Remarks-Faculty/ Teaching aids
I	Banking Definition of pass book and cheque book Format and Filling up of Cheque-Deposit Challan Filling up and Clearing cheque Transfer cheque and Collection Cheque-Payable at par and Demand Draft	1 1 1 2	5	Chalk and Talk
II	Application filling for Account Opening form Filling up and Documents required Debit Card and Credit Card ATM Machine and Cash Deposit Machine Pass book printing machine. MICR and IFSC Fund transfer through ECS ,NEFT and RTGS Form filling for Fund transfer.	1 1 2 1	5	Group Discussion and Chalk & Talk
III	On line Banking -Sign up and Process Requirements for Log in, Customer ID and User IDPass word, Hints for creating Pass words and change of pass word on line transactions and Account statements Fund Transfer, Payment of bills and Utility payments	1 2 1 2	6	PPT
IV	Loans, Repayment for Loans and other services. Mobile Banking, meaning, importance and Advantages Mobile Applications (App) and WAP (Wireless Application Protocol)USSD (Unstructured Supplementary Service Data), Registration process through Mobiles	1 1 2 2	6	Group Discussion and Chalk & Talk
V	Bank Branch ATM, User ID-MPIN and change of MPIN IMPS D(Immediate Mobile Payment System) and UPI(Unified Payment interface) – BHIM(Bharat Interface for money)NPCI (National Payment Corporation of India) Bank account Management Transfer Funds, paying Bills Locating ATMs and QR code paymentsAlerts and notifications and Tracking Spending habits Cash back, Safe banking methods.	1 1 2 2 1 1	8	PPT

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SRI SARADA COLLEGE FOR WOMEN (Autonomous)
TIRUNELVELI 627011
COURSE TEACHING/LECTURE/EXAM PLAN

Department	Name of the faculty/s for the course	Academic year	Class
Commerce(Corporate Secretaryship)	Smt.M.VINOTHINI	2023 -2024	II B.Com CS
Semester	Course code	Course title	
IV	19USB41	Dynamics of Entrepreneurship Development	

Title of the book (Text/Reference)	Author/s	Edition & Publisher
Dynamics of Entrepreneurial Development and Management	Vasanth Desai	Himalaya publishing House, New Delhi
Entrepreneurship and Small Business Management	P.S.SubbaRao	Discovery Publishing House, New Delhi

Unit No	Topics	No. of hours	Proposed days/date	Remarks- Faculty/ Teaching aids
I	Entrepreneurship Essentials		12	PPT
	Evolution- Characteristics, Type and Functions of Entrepreneurs	2		
	Qualities of Successful Entrepreneurs	2		
	Entrepreneur Vs Entrepreneurship	2		
	Entrepreneur Vs Intrapreneur	3		
	Growth of Entrepreneurship in India.	3		
II	Government Schemes for Entrepreneurs		13	Seminar
	Prime Ministers Employment Generation Scheme	2		
	Gram Udyog Vikas Yojna Scheme	2		
	Credit Guarantee on Loans to Micro and Small Enterprises and New Entrepreneurs	3		
	Concept of MSME	3		
III	Launching of New Business		10	Group Discussion
	strategies of product, pricing and distribution	6		
	Step by Step Approach for searching New Business.	6		
IV	Management of Small Business		12	Chalk & Talk
	Characteristics, Classification and Ownership	3		
	Structures of Small Enterprises	4		
	Steps Involved In Setting Up A Business	3		
	Project Formulation	2		
V	Project Appraisal		13	Seminar
	Classification of projects	4		
	IRR , NPV -and PI	4		
	factors relating to project appraisal and economic appraisal	4		

Date of CIAs: As per college calendar/need based amendments.

Ramale
Principal

A. Senthil
HoD

M.VINOTHINI
Course Teacher

SRI SARADA COLLEGE FOR WOMEN (Autonomous)

TIRUNELVELI 627011

COURSE TEACHING/LECTURE/EXAM PLAN

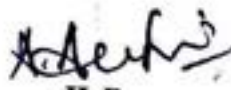
Department	Name of the faculty/s for the course	Academic year	Class
Commerce(Corporate Secretaryship)	Selvi S.VIMALA	2023 - 2024	II B.Com CS
Semester	Course code	Course title	
IV	22UNCC4A	Human Rights	

Title of the book (Text/Reference)	Author/s	Edition & Publisher
Human Rights(With RTI Act)	Dr.T.S.Ravi	Margham Publications, Chennai
Human Rights	Dr.Giriraj Shah IPS & K.N.Gupta IPS	McGrawhill Publications, New Delhi

Unit No	Topics	No. of hours	Proposed days/date	Remarks- Faculty/ Teaching aids
I	Rights History of rights and Characteristics of human rights Concept of residual rights kinds of Human Rights	1 2 3	12	PPT
II	Child Rights Declaration of the rights of a child child labour Child abuse and exploitation child abuse in India.	1 1 2 2	13	Seminar
III	Contemporary issues on Human rights- Women Rights Women constitutional rights Women rights and Indian penal code Women rights and protection of women from domestic violence present position of women in India.	1 1 2 2	10	Group Discussion
IV	Rights of refugees, Dalit's and Bonded labour Constitutional and legal provisions of bonded labour Salient features of bonded labour system (abolition) Act 1976- Role of the national human rights commission	2 2 2	12	Chalk & Talk
V	Right to Information Act Main characteristics of the Act Exempt from Disclosure Procedure for seeking information Appellate Author/sities and penal provisions Senior Citizen Right Challenges People Rights	1 1 1 1 2	13	Group Discussion

Date of CIAs: As per college calendar/need based amendments.


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S.VIMALA
Course Teacher

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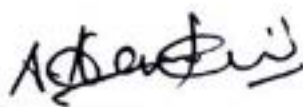
Department	Name of the faculty/s for the course	Academic year	Class
Commerce (Corporate Secretaryship)	Dr.S.ARUMUGA SELVI	2023-2024	III.B.Com (CS)
Semester	Course code	Course title	
VI	19UCCC61	COMPANY ACCOUNTS	

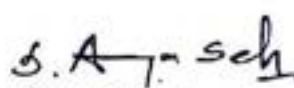
Title of the book (Text/Reference)	Author/s	Edition & Publisher
Advanced Accounting	Jain S.P Narang K.L.	Kalyani Publishers, Chennai
Corporate Accounting	T.S.Reddy Dr.A.Murthy	Margham Publications, Chennai
Advanced Accountancy	Gupta R.L. Radhaswamy.M	Sultan Chand and Sons, New Delhi

Unit No	Topics	No. of hours	Proposed days/date	Remarks-Faculty/ Teaching aids			
I	Liquidation - Introduction- Meaning – Liquidation and insolvency	4	16	Seminar			
	Modes of winding up – Order of payment – Powers and duties of liquidator	3					
	Statement of affairs –	5					
	Distribution of surplus - Liquidator's final statement of accounts.	3					
II	Accounts of Banking Companies – Meaning – Objectives – Advantages- legal provisions- Disposal of non-banking assets- restrictions on commission and dividend- CRR and SLR- Money at call and at short notice- Acceptances- Advances - Endorsements- Bill for Collection- Rebate on bill discounted problems	4 7 4	17	Chalk & Talk			
	III	Holding Company Accounts - Meaning – Objectives – Advantages - minority interest- Cost of control-capital and revenue profit- revaluation of assets and liabilities-treatment of dividend - sale of shares- share premium-preliminary expenses- consolidated Balance sheet - problems.			3 6 3 3	16	Chalk & Talk
		IV			Double Accounts – features- advantages - Accounts of State Electricity Boards - Depreciation -Contingency reserve - development reserve- tariff and dividend control reserve - capital base - clear profit- disposal of surplus - Replacement of assets problems.		
V	Human Resource accounting – Introduction – Definition – Valuation of human resources – Historical cost approach – Replacement cost approach – Opportunity cost approach – Merits and demerits -Objectives -Methods of Human Resource Value Accounting.	5 3 4 3	11	PPT			

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SRI SARADA COLLEGE FOR WOMEN (Autonomous)
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Department	Name of the faculty/s for the course	Academic year	Class
Commerce (Corporate Secretaryship)	DR A ARUNA DEVI DR R PUSHPA LATHA	2023-2024	III.B.Com (CS)
Semester	Course code	Course title	
VI	19UCCC62	MANAGEMENT ACCOUNTING	

Title of the book (Text/Reference)	Author/s	Edition & Publisher
Management Accounting	R.S.N.Pillai&Bagavathi	Sultan Chand & Sons, New Delhi
Principles of Management Accounting	Dr.S.N.Maheswari	Sultan Chand & Sons, NewDelhi

Unit No	Topics	No. of hours	Proposed days/date	Remarks-Faculty/ Teaching aids
I	Management Accounting: Nature and Scope Limitations and Tools of Management Accounting Management Accounting Vs Financial Accounting Management Accounting Vs Cost Accounting.	4 3 5 3	16	Group Discussion
II	Ratio Analysis: Uses and limitations of Ratio analysis Classification of Ratios Financial ratios Profitability Ratios Turnover Ratios.	4 7 4	15	Chalk & Talk
III	Fund Flow Analysis: Reason for preparing Fund Flow Statement Uses of Fund Flow Statement Preparation of Fund Flow Statement Adjustment regarding treatment of provision for Taxation, Proposed Dividend and Depreciation Sources and Application of Funds.	3 6 3 3	15	Chalk & Talk
IV	Cash Flow Analysis (AS 3): Difference between Cash Flow and Fund Flow Statement Preparation of Cash Flow Statement from operations Procedure for preparation of cash flow - Utility and Limitations of Cash Flow Analysis. (Simple problems only)	2 3 3 7	14	Chalk & Talk
V	Capital Budgeting: Importance of Capital Budgeting Advantages – Disadvantages Capital Budgeting Methods Payback period method Net Present Value method-Internal Rate of Return Method (Simple problems only).	5 3 4 3	15	Chalk & Talk

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SRI SARADA COLLEGE FOR WOMEN (Autonomous)
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COURSE TEACHING/LECTURE/EXAM PLAN

Department	Name of the faculty/s for the course	Academic year	Class
Commerce (Corporate Secretaryship)	Shri. S. Sankaralingam	2022-2023	III.B.Com (CS)
Semester	Course code	Course title	
VI	19UCCC63	INDUSTRIAL LAW	

Title of the book (Text/Reference)	Author/s	Edition & Publisher
General and Commercial Law	N.D.Kapoor Rajiniabbi	Sulthan Chand & Sons, New Delhi
Law, Ethick& communication	Dr.G.K.Kapoor & Dr.C.B.Gupta	Sulthan Chand & Sons, New Delhi
Elements of Mercantile Law	N.D.Kapoor	Sulthan Chand, New Delhi

Unit No	Topics	No. of hours	Proposed days/date	Remarks- Faculty/ Teaching aids
I	The Factories Act, 1948 Approval, licensing and registration of factories duties of occupier - inspecting staff employment of young persons and women annual leave with wages penalties and procedure.	4 3 5 3	16	Seminar
II	Workmen Compensation Act 1923 personal injury by accident occupational diseases arising out of and in the course of- employment theory of national extension amount of compensation distribution of the compensation	4 7 4	16	Chalk & Talk
III	Industrial Disputes Act 1947 voluntary reference to arbitration retrenchment transfer and closing down of their undertaking penalties	3 6 3 3	16	Group Discussion
IV	The Trade Unions Act, 1926 registration of trade unions rights and liabilities of registered tradeunions penalties and procedure Consumer Act 1986- Consumer Protection Council Jurisdiction of District Forum	2 3 3 7	16	PPT
V	The Employees' State Insurance Act 1948 - Establishment of Employees' State Insurance Corporation. Constitution of Corporation. Term of office of the members of the Corporation. The payment of Gratuity Act 1972 Determination of the amount of gratuity	5 3 4 3	11	Group Discussion

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HoD

S. SANKARALINGAM
Course Teacher

SRI SARADA COLLEGE FOR WOMEN (Autonomous)
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Department	Name of the faculty/s for the course	Academic year	Class
Commerce (Corporate Secretaryship)	Dr A.ARUNADEVI & Dr P.SUGANYA	2023-2024	III.B.Com (CS)
Semester	Course code	Course title	
VI	19UCCC64	AUDITING	

Title of the book (Text/Reference)	Author/s	Edition & Publisher
Practical Auditing (for UG courses)	B.N.TandonS.SudharsanamS.Su ndrarabahu	Sulthand Chand Company, New Delhi
A Hand book of Practical Auditing	Dr.B.M.TandonDr.S.Sutharsanam Dr.S.Sundarabahu	Sulthand Chand Company, New Delhi

Unit No	Topics	No. of hours	Proposed days/date	Remarks-Faculty/ Teaching aids
I	Introduction Difference between Accountancy and Auditing Audit working papers Preliminaries before Audi test checking and routine checking.	4 4 4	16	Chalk & Talk
II	Internal check and internal control difference between internal control and internal Audit Advantages and Disadvantages of internal check internal check regarding cash, purchases, purchase returns, sales and sales returns.	4 4 4	16	Chalk & Talk
III	Vouching importance of vouchers precautions to be taken by the Auditors while examining vouchers vouching of cash transactions Vouching of trading transactions.	4 4 4 4	16	PPT
IV	Verification and valuation of assets and liabilities Classification of assets verification of different types of assets verification of liabilities Valuation of investment	4 4 4 4	16	Seminar
V	Company Auditor qualification and disqualification removal of an Auditor kinds of Auditors Report general considerations for drafting the report.	4 4 4	11	Group Discussion

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Course Teacher

SRI SARADA COLLEGE FOR WOMEN (Autonomous)
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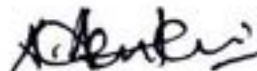
Department	Name of the faculty/s for the course	Academic year	Class
Commerce (Corporate Secretaryship)	DR. A. ARUNA DEVI & DR. P. SUGANYA	2023-2024	III.B.Com (CS)
Semester	Course code	Course title	
VI	19UCCC65	INCOME TAX LAW & PRACTICE II	

Title of the book (Text/Reference)	Author/s	Edition & Publisher
Income Tax Theory, Law and Practice	T.S.Reddy and Y.Hari Prasad Reddy	Margham Publications, Chennai
Income tax Law and Accounts	Dr. H.C. Mehrotra and Dr. S.P. Goyal	SahityaBhawan Publications, Agra,

Unit No	Topics	No. of hours	Proposed days/date	Remarks- Faculty/ Teaching aids
I	Income from Capital Gain:			PPT
	Transfer of capital assets	4	16	
	Procedure for computing Capital Gain	3		
	Determining STCG and LTCG	5		
II	Income under the head other sources:			
	Other Income chargeable under this Head	4	16	
	Interest on Securities-Casual Income	7		
	Deduction to be made from Income from Other Sources	4		
III	Set-off and carry forward of losses:			
	Scheme of set-off and carry forward of losses	3	16	
	Intra-head, Inter-head set off, Carry forward and set-off speculation loss	6		
	Losses under the head Capital gain	3		
	Losses in respect of owning and maintaining of race horses.	3		
IV	Deduction from Gross total Income:			
	Deduction under section 80C-80G	2	15	
	Procedures for Assessment	3		
	Types of returns	3		
V	Assessment of Individual and AOP:			
	Computation of total income of an individual	5	12	
	Computation of taxable income-Computation of Tax	3		
	Relief of Income Tax, Taxability of a member of AOP	4		
	Problems including computation of tax.	3		

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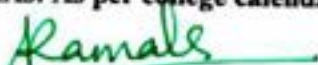
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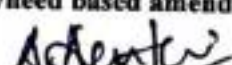
Department	Name of the faculty/s for the course	Academic year	Class
Commerce (Corporate Secretaryship)	DR. R.PUSHPALATHA	2023-2024	III.B.Com (CS)
Semester	Course code	Course title	
VI	19UCCC66	APPLICATION OF TALLY IN ACCOUNTING	

Title of the book (Text/Reference)	Author/s	Edition & Publisher
Comdex Computer and Financial Accounting with Tally 9.0 Course kit with CD,	Gupta Vikas	Dream Tech Publications, New Delhi
Tally(VAT & TDS enabled)	C.NellaiKannan	Nels Publications, Tirunelveli.
Implementing Tally 9.0	A.K.Nadhani, K.K.Nadhani	BPB Publications, New Delhi

Unit No	Topics	No. of hours	Proposed days/date	Remarks-Faculty/ Teaching aids
I	Fundamentals of Tally. ERP 9- Salient features of Tally. ERP 9, Getting functional with Tally ERP 9, start up, Quitting Tally. ERP 9 Create a Company, select a Company, Alter a Company, Shut a Company Company Features Configurations, GST	5 4 4 5	16	PPT
II	Create Accounting Masters in Tally. ERP 9 Groups- Pre-defined Groups of Accounts, Creating Single Group, Creating Multiple Groups, Displaying Groups, Ledgers-Creating single ledger, Creating Multiple Ledger, Displaying	3 6 6 3	16	Group Discussion
III	Creating Inventory of masters in Tally. ERP 9- Creating Single, Multiple Stock Group, Displaying and Altering Stock Groups. Stock Categories Creating Single, Multiple Stock Categories, Displaying and Altering Stock Category Creating Single, Multiple Stock Items, Displaying and Altering Stock Items.	5 5 4 4	16	Seminar
IV	Voucher Entry In Tally. ERP 9 Voucher Types Predefined vouchers in Tally.ERP 9, Creating Voucher Type, Displaying voucher Type, Altering Voucher Types Financial Statements Balance Sheet, Profit&loss A/c, Trial balance.	3 5 5 5	16	Seminar
V	Accounting Books & Reports ERP 9- Cash book, Bank Book, Purchase Register, Sales Register, Journal Register, Debit Note Register, Credit Note Register, Day Book, Statistics, Bank Reconciliation Statement.	4 6 5 3	11	PPT

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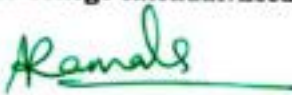
SRI SARADA COLLEGE FOR WOMEN (Autonomous)
TIRUNELVELI 627011
COURSE TEACHING/LECTURE/EXAM PLAN (EVEN 2023 - 2024)

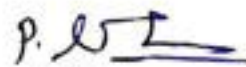
Department	Name of the faculty/s for the course	Academic year	Class
Business Administration	Smt.D.Ananthi@Sajitha	2023-2024	II BBA
Semester	Course code	Course title	
II	23UBBFC21	Business Etiquette and Corporate Grooming	

Title of the book (Text/Reference)	Author/s	Edition & Publisher
Indian Business Etiquette	Raghu Palat	JAICO Publishers
At Ease with Etiquette	Nina Kochhar	B.jain Publisher,2011

Unit No	Topics	No. of hours	Proposed days/date	Remarks- Faculty/ Teaching aids
I	Introduction to Business Etiquette: Introduction-ABCs of etiquette- meeting and greetings scenarios	3	6	Black Board
	Principles of exceptional work behavior-role of good manners in business-professional conduct and personal spacing.	3		
II	Workplace Courtesy and Business Ethics	1	6	Black Board
	Workplace Courtesy- Practicing common courtesy and manners in a workplace-Etiquette at formal Gatherings	1		
	Professional qualities expected from an employer's perspective - Hierarchy and Protocol. Ethical issues - preventing sexual harassment	2		
	Conflict resolution strategies Choosing appropriate gift in the business environment-real life work place scenarios -company policy for business etiquette	1		
III	Telephone Etiquette, email etiquette and Disability Etiquette Mastering the telephone courtesy, handling rude	2	6	Lecture
	Impatient clients -internet usage in the workplace, email etiquette	2		
	online chat etiquette guidelines -Basic disability Etiquette practices	2		
IV	Diversity and Cultural Awareness at Workplace Impact of diversity	3	6	Lecture
	Cultural Sensitivity-Taboos and Practices-Inter-Cultural Communication	3		
V	Business Attire and Professionalism Business style	3	6	Black Board
	Professional image-dress code-guidelines for appropriate business attire-grooming for success.	3		

Date of CIAs: As per college calendar/need based amendments.


 Date: 17.04-2024 Principal


 HoD

D. Ananthi@Sajitha
 Course Teacher


SRI SARADA COLLEGE FOR WOMEN (Autonomous)
TIRUNELVELI 627011
COURSE TEACHING/LECTURE/EXAM PLAN (EVEN 2023 - 2024)

Department	Name of the faculty/s for the course	Academic year	Class
Business Administration	Selvi.A.Suruthivelvizhi	2023-2024	II BBA
Semester	Course code	Course title	
II	23UBBA22	International Business	

Title of the book (Text/Reference)	Author/s	Edition & Publisher
International Business	Gupta CB	S Chand & Co. Ltd, 2014
International Business	Griffin, R	7th Edition, Pearson Education, 2012.

Unit No	Topics	No. of hours	Proposed days/date	Remarks- Faculty/ Teaching aids
I	Introduction to International Business: Importance,	3	12	Black Board
	Nature and scope of international business	3		
	Internationalization process and Approaches - Modes of entry- Multinational Corporations and their involvement in International Business	4		
	Advantage and problems of MNCs	2		
II	Introduction of Trade theories— Mercantilism	3	12	Black Board
	Absolute Advantage — Comparative Advantage	3		
	Heckscher-Ohlin Theory — The New Trade Theory			
	Porter's Diamond Competitive Advantage Theory	3		
III	Foreign Investments-Pattern	2	12	Lecture
	Foreign exchange rates and their impact on trade and investment flows	2		
	Functions of Foreign Exchange Market- Foreign	2		
	Direct Investments — Factors influencing FDI	2		
	Modes of FDI entry - Horizontal and Vertical Foreign Direct Investment — Advantages of Host and Home Countries.	4		
IV	Drivers in Globalisation - Globalisation of Markets,	3	12	Lecture
	Production, investments and Technology. World trade in goods and services	3		
	Major trends and developments	3		
	World trade and protectionism — Tariff and non-tariff barriers.	3		
V	Regional Economic Groupings in Practice- Levels of Regional Economic Integration Regionalism vs. Multilateralism	5	12	Black Board
	Important Regional Economic Groupings in the World. Contemporary Issues in International Business	4		
	Institutional support to international business like BREXIT, IMF, World Bank, ILO and WTO.	3		

Date of CIAs: As per college calendar/need based amendments.


 Date: 17.04.2024 Principal


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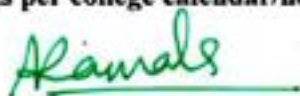
Department	Name of the faculty/s for the course	Academic year	Class
Business Administration	<u>Smt.D.Ananthi@Sajitha</u>	2023-2024	II BBA
Semester	Course code	Course title	
II	23	Managerial Skill Development	

Title of the book (Text/Reference)	Author/s	Edition & Publisher
Campus to Corporate-Your Roadmap to Employability	Joshi, G.	(2015), Sage Publication
Basic Managerial Skills,	McGrath E. H.	(9 Ed. 2011), Prentice Hall India Learning Private Limited.

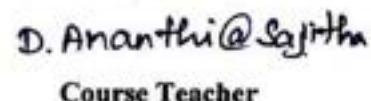
Unit No	Topics	No. of hours	Proposed days/date	Remarks- Faculty/ Teaching aids
I	Self: Core Competency, Understanding of Self, Components of Self— Self-identity, Self-concept,	3	6	Black Board
	Self - confidence and Self-image. Skill Analysis and finding the right fit. Self-learning styles, attitude towards change and applications of skills	3		
II	Self Esteem: Meaning & Importance, Components of self-esteem, High and low self-esteem, measuring	3	6	Black Board
	Self-esteem and its effectiveness, Personality mapping tests, Appreciative Intelligence.	3		
III	Building Emotional Competence: Emotional Intelligence — Meaning, Components, Importance and Relevance, Positive and Negative Emotions., Healthy and Unhealthy expression of Emotions,	2	6	Lecture
	The six-phase model of Creative Thinking: ICEDIP model.	2		
		2		
IV	Thinking skills: The Mind/Brain/Behaviour, thinking skills, Critical Thinking and Learning,	2	6	Lecture
	Making Predictions and Reasoning, Memory and Critical Thinking, Emotions and Critical Thinking.	1		
	Creativity: Definition and meaning of creativity, The nature of creative thinking, Convergent and Divergent thinking, Idea generation and evaluation	2		
	(Brain Storming), Image generation and evaluation.	2		
V	Communication related to course: How to make oral presentations, conducting meetings, reporting of projects, reporting of case analysis, answering in	2	6	Black Board
	Viva Voce, Assignment writing Debates, presentations, role plays and group discussions on current topics.	2		
	Audio and Video Recording of the above exercises to improve the non-verbal communication and professional etiquettes.	2		

Date of CIAs: As per college calendar/need based amendments.

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D. Ananthi@Sajitha
Course Teacher

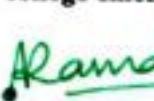
SRI SARADA COLLEGE FOR WOMEN (Autonomous)
TIRUNELVELI 627011
COURSE TEACHING/LECTURE/EXAM PLAN (EVEN 2023 - 2024)

Department	Name of the faculty/s for the course	Academic year	Class
Business Administration	<u>Smt.D.Ananthi@Sajitha</u>	2023 - 2024	II BBA
Semester	Course code	Course title	
IV	19UBBC41	Basics of Cost Accounting	

Title of the book (Text/Reference)	Author/s	Edition & Publisher
Cost Accounting – Theory and Problems	Maheshwari, S. N. and S. N. Mittal	2015(2) ShriMahavir Book Depott, New Delhi ISBN-10: 9381580235
Cost Accounting	Pillai, R.S.N.&Bagavathi	2010(7) S.Chand&Compnay ISBN-10: 8121904935

Unit No	Topics	No. of hours	Proposed days/date	Remarks- Faculty/ Teaching aids
I	Nature and Scope of Cost Accounting – Cost Analysis– Concept and Classification of Cost	4	12hrs	Black Board
	Elements and Methods of Cost –Relationship of Cost Accounting and Financial Accounting	4		
	Preparation of Cost Sheet – Prime cost- Work cost and profit centers	4		
II	Materials – Issues of material – EOQ - Levels of Stock – Receipts and Issues of materials – material of Purchase control	4	12hrs	Black Board
	Levels, Aspects, Need and Essentials of Material control – Inventory Control	4		
	Re-order Levels – Minimum, Maximum, and Average	2		
	Stock Levels - ABC Analysis - Stores Ledger – FIFO, LIFO, Simple Average and Weighted Average.	2		
III	Labour – Time-Keeping and Time-Booking	4	12hrs	Lecture, Video
	Methods of Remuneration and Incentive Schemes	2		
	Overtime and Idle time – Labour Turnover – Causes	4		
	Types and Measurement	2		
IV	Overheads – Collection, Classification, Allocation, Apportionment and Absorption – Recovery Rates	3	12hrs	Lecture, PPT
	Over and Under Absorption -Machine Hour Rate	4		
	Job Costing – Contract Costing	1		
V	Operating Costing – Process Costing: Normal Loss, Abnormal Loss and Abnormal Gains (excluding Equivalent Production and Inter process) – Process Costing (Including Inter process profit and Reserve)	4	12hrs	Black Board
		4		
	Reconciliation of Cost and Financial Accounts.	4		

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D.Ananthi @ Sajitha
Course Teacher


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Department	Name of the faculty/s for the course	Academic year	Class
Business Administration	Dr.S.Arumuga Selvi	2023-2024	I BBA
Semester	Course code	Course title	
II	23UBBC21	Marketing Management	

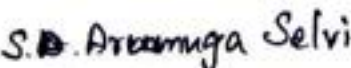
Title of the book (Text/Reference)	Author/s	Edition & Publisher
Principles of Marketing: A South Asian Perspective	Philip Kotler & Gary Armstrong	Pearson Education, 2018.
Marketing	L.Natarajan	Margham Publications, 2017.

Unit No	Topics	No. of hours	Proposed days/ Date	Remarks- Faculty/ Teaching aids
I	Fundamentals of Marketing – Role of Marketing –	4	15days	Black Board
	Relationship of Marketing With Other Functional	3		
	Areas- Concept of Marketing Mix – Marketing	3		
	Approaches – Various Environmental Factors Affecting the Marketing Functions.	5		
II	Segmentation – Need And Basis of Segmentation -	3	15days	Black Board & PPT
	Targeting – Positioning - Product – Characteristics –	2		
	Benefits – Classifications – Consumer Goods –	3		
	Industrial Goods. Product Mix-New Product Development Process	4		
	Product Life Cycle. Branding – Packaging.	3		
III	Pricing – Factors Influencing Pricing Decisions –	4	15days	Lecture
	Pricing Objectives. Market	3		
	Physical Distribution: Importance – Various Kinds	3		
	Marketing Channels – Distribution Problems.	5		
IV	A Brief Overview of Communication Mix- Types of Media & its Characteristics- Print - Electronic - Outdoor – Internet- A tool to customer loyalty.	3	15days	Lecture & PPT
	Sales Promotion tools- IMC (Integrated marketing communication)	5		
	Definition, Process, Need & Significance	4		
	CRM – Importance.	3		
V	Sales Force Management: Personal Selling Process- Motivation, Compensation and Control of SFM	5	15days	Black Board
	Sales Force– Digital Marketing	5		
	Introduction- Applications & Benefits Digital Marketing	2		

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Department	Name of the faculty/s for the course	Academic year	Class
Business Administration	Dr.P.Shunmuga Thangam	2023-2024	I BBA
Semester	Course code	Course title	
II	23UBBC22	Accounting for Managers – II	

Title of the book (Text/Reference)	Author/s	Edition & Publisher
Financial Accounting	Goel.D.K and Shelly Goel, 2018	Arya Publications, 2nd edition.
Management Accounting	Jain .S.P & Narang .K, 1999	Kalyani Publishers, Ludhiana, 4th edition

Unit No	Topics	No. of hours	Proposed days/date	Remarks- Faculty/ Teaching aids
I	Cost accounting – Meaning, nature, scope	3	12days	Black board
	functions, need, importance and limitations- Cost concepts	3		
	classification – Cost sheets	3		
	Tenders & Quotation	3		
II	Management accounting – Meaning, nature, scope and functions, need, importance and limitations	4	12days	Black board
	Management Accounting vs. Cost Accounting. Management Accounting vs. Financial Accounting.	4		
	Analysis and Interpretation of financial statements – Nature, objectives, essentials and tools, methods – Comparative Statements, Common Size statement and Trend analysis	4		
III	Ratio Analysis – Interpretation, benefits and limitations.	3	12days	Black board
	Classification of ratios - Liquidity	3		
	Profitability, turnover Ratio	3		
	Cash flow and Funds flow statement.	3		
IV	Budgets and budgetary control – Meaning	4	12days	Black board
	objectives, merits and demerits – Sales, Production	4		
	Flexible budgets and cash budget	4		
V	Marginal Costing – CVP analysis	6	12days	Black board
	Break even analysis	6		

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SRI SARADA COLLEGE FOR WOMEN (Autonomous)
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Department	Name of the faculty/s for the course	Academic year	Class
Business Administration	Mrs.A.Jeya	2023 - 2024	II BBA
Semester	Course code	Course title	
IV	19UBBC42	Essentials of Industrial law	

Title of the book (Text/Reference)	Author/s	Edition & Publisher
Business Law	Kucchal, M.C.,	2018(7) S Chand Publishing; Seventh
The Principles of Mercantile Law	Avtar Singh	2010(7) Eastern Book Company, Lucknow ISBN-10: 9350280418

Unit No	Topics	No. of hours	Proposed days/date	Remarks- Faculty/ Teaching aids
I	Factories Act, 1948- The laws relating to factories establishment	4	12hrs	Black Board
	Mines Act- Plantation Act	4		
	Workmen Compensation Act, 1923	4		
II	Payment of Wages Act 1936 –Law of minimum wages	4	12hrs	Black Board
	Payment of Bonus -The Maternity Benefit Act, 1961- Maternity relief	4		
III	Employee's Provident Fund and Miscellaneous Provisions Act, 1952	4	12hrs	Lecture, Video
	Employee's State Insurance Act, 1948 – Contribution of benefits- Disputes and claims	4		
IV	The Industrial Disputes Act, 1947 - The payment of Gratuity Act, 1972	6	12hrs	Lecture, PPT
	Insurance coverage.	6		
V	Trade Unions Act, 1926 -The Industrial Employment (Standing Order) Act, 1946 – Working	4	12hrs	Black Board
	Implications for management- Union – Workmen.	4		
		4		

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P. J. L.
HoD

A. Jeya
Course Teacher

SRI SARADA COLLEGE FOR WOMEN (Autonomous)
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Department	Name of the faculty/s for the course	Academic year	Class
Business Administration	Selvi.A.Suruthivelvizhi	2023 – 2024	II BBA
Semester	Course code	Course title	
IV	19UBBC43	Production Management	

Title of the book (Text/Reference)	Author/s	Edition & Publisher
Production and Operations Management	Goel.B.S	2011(3) PragatiPrakashan, Meerut- 250001
Modern Production/ Operation Management	Buffa. Elwood.S, Rakesh.KSarin,	1987(8) Wiley Sons, New Delhi.

Unit No	Topics	No. of hours	Proposed days/date	Remarks- Faculty/ Teaching aids
I	Basics of Production Management: Definition – Objectives - Scope- Functions of Production Management	2	12hrs	Black Board
	Production systems – Job order	2		
	Intermittent and Continuous Flow Line Production	1		
	Assembly line production – Automation	1		
II	Plant location and Layout: Factors Affecting Plant Location – Multi plant Location Decision- Plant	2	12hr S	Black Board
	Layout – Principles, Methods Of Laying Out	1		
	Types of Layout - Product	1		
	Process Combination Layout	2		
III	Plant Maintenance: Organization for Maintenance – Economics of maintenance – Types Of Maintenance	2	12hrs	Lecture, Video
	Scheduled Maintenance, Break down Maintenance	1		
	Preventive Maintenance, Merits And Demerits	1		
	Safety Engineering – Good House Keeping.	2		
IV	Purchase Function: Purchasing research – Purchase function– Purchasing policies and procedures	2	12hrs	Lecture, PPT
	Legal aspects of purchasing – Tax consideration in	2		
	Purchasing, selections and sources of supply and make or buy decisions	2		
V	Work study: Method Study And Work Measurement- Time and Motion Study Flow Process	2	12hrs	Black Board
	Chart – Two Handed Process Chart – Micro motion	2		
	Study – Time Study Procedure And Techniques	1		
	Application of Work Study Techniques.	1		

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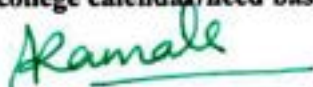
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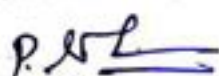
Department	Name of the faculty/s for the course	Academic year	Class
Business Administration	Dr.P.Shunmuga Thangam	2023-2024	II BBA
Semester	Course code	Course title	
IV	22UBBS44	Entrepreneurial Skill Development	

Title of the book (Text/Reference)	Author/s	Edition & Publisher
Entrepreneurial Development	Gordon. E Natarajan. K	2014(3) Himalaya Publishing House, New Delhi
Entrepreneurial Development	Dr. V. Radha	2013(1) Prasana Publishing, Chennai

Unit No	Topics	No. of hours	Proposed days/date	Remarks-Faculty/ Teaching aids
1	Basics of Entrepreneurship: Meaning - Importance- Types - Functions - Role of Entrepreneur in economic development	1	6	Black Board
	Qualities of an entrepreneur -Women Entrepreneurship in India	1		
	Problems of Women Entrepreneur - Managerial skills - Technical, Human relations	2		
	Conceptual skills, - Managing environment - Human and Non-Human factors - Applicative domains of Managerial skills.	2		
2	Institutional arrangement: for Entrepreneurship Development) - DIC, ITCOT, SIDCO, NSIC, SISI	1	6	Black Board
	TIIC, SIDBI, KVIC, Commercial Banks	1		
	Cooperative Banks- Micro Finance Incentives to Small Scale Industries	2		
	Sickness in Small Scale Industries And Their Remedial Measures.	2		
3	Project appraisal: Meaning and Importance- Project identification - Contents of project report -	2	6	Lecture, Video
	Detailed Project Report - Introduction to Project and Industry till Project evaluation - Formulation of the project report	2		
		2		
4	Verbal Behaviour - Non-verbal behaviour - Body language of Kinesics behaviour - Touching	2	6	Lecture, PPT
	Behaviour - Physical characteristics- Psychological Characteristics - Sociological Characteristics	2		
	paralanguage and proximics	2		
5	Expressions and Emotions - Managing emotions - Types - Face and expressions of emotions	2	6	Lecture & PPT
	Emotional intelligence - Public relations - Objectives of Public relations	2		
	functions of Public relation - Advantages and disadvantages of Public relation - Internal and External Public relations - Use of mass media for PR.	2		

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Department	Name of the faculty/s for the course	Academic year	Class
Business Administration	Selvi A.Suruthi Velvizhi	2023 – 2024	II BBA
Semester	Course code	Course title	
IV	22UNBB3B	Essentials of Entrepreneurship.	

Title of the book (Text/Reference)	Author/s	Edition & Publisher
The dynamics of Entrepreneurial Development and Management	Vasant, Decsai	2011(6) Himalaya Publishing House, New Delhi
Entrepreneurship Development	Arun Mittal & S.L. Gupta	2011(6) International Book House Pvt. ISBN-10: 938133515X

Unit No	Topics	No. of hours	Proposed days/date	Remarks-Faculty/ Teaching aids
I	Concept of entrepreneurship - classification of entrepreneurs – Socio-Economic impact of entrepreneurship - Nature and importance of entrepreneurs, Entrepreneurs Vs Professional managers - Entrepreneurship and Economic Growth – Qualities of an Entrepreneur	2	6 hrs	Black Board
		2		
		2		
II	Characteristics of entrepreneur- barriers to entrepreneurship - entrepreneurial functions	2	6 hrs	Role Play, Black Board
	entrepreneurial process - Entrepreneurial development training – importance of training	2		
	objectives of training methods of training - benefits of training process	1		
	Identification of opportunities – Steps in setting up of a Business – Setting up a small scale unit.	1		
III	Institutional arrangement for Entrepreneurship Development – DIC, ITCOT, SIDCO, NSIC, KVIC, SISI, TIIC, SIDBI, Commercial Banks – Incentives to Small Scale Industries	2	6 hrs	Lecture, Video
		2		
		2		
IV	Project report – Importance - Project Identification – Contents of Project report –preparation of project report	2	6 hrs	Lecture, PPT, Drama
	Project Appraisal - preliminary project report	2		
	Market feasibility – Technical feasibility – Financial feasibility – Economic feasibility.	2		
V	Women Entrepreneurship – How to start a Business - Features of Women Entrepreneur –	2	6 hrs	Black Board, Debate
	Problems of Women Entrepreneur – recent development of women entrepreneur in Global	2		
	Scenario- Sickness in Small Scale Industries and their remedial measures.	2		

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Department	Name of the Faculty/s for the Course	Academic Year	Class
Business Administration	Dr.S.Pushpalatha	2020-2021	III BBA
Semester	Course Code	Course Title	
VI	19UBBC62	Strategic Management	

Title of the Book (Text/ Reference)	Author/s	Edition & Publisher
Strategic Management, Analysis, Implementation & Control	Nag A	II Edition, 2003 Vikas Publishing House, Chennai
Strategic Management	Rao V S P & Hari Krishna V	III Edition, 2013 Pillaiyappa Publishers, Karnataka

Unit No.	Topics	No. of Hours	Proposed days/ Date	Remarks- Faculty/ Teaching aids
I	Evolution:- Concept and Characteristics of Strategic Management – Defining Strategy	4	12 hrs	Black Board
	Mintzberg's Five P's of strategy – Corporate, Business and Functional levels of Strategy	3		
	Strategic Management Process – Vision , Mission	3		
	Purpose, Business Definition , Objectives and goals	2		
II	External Environmental Analysis :- Segments of the External Environment – Scenario Planning	2	12 hrs	Black Board & PPT
	Preparing an Environmental Threat and	2		
	Opportunity Profile (ETOP) – Industrial Analysis	4		
	Porter's Five Forces Model of Competition			
III	Strategic Alternatives :- Generic Competitive Strategies – Low Cost, Differentiation , Focus,	4	12 hrs	Lecture & PPT
	Grand strategies – Stability , Growth (Diversification Strategies, Vertical Integration Strategies	4		
	Mergers, Acquisition and Take Over Strategies	2		
	Strategic Alliances and Collaborative Partnerships), Retrenchment, Outsourcing Strategies	2		
IV	Strategic Analysis and Choice :- Portfolio Analysis – B C G Growth – Share Matrix, GE9	6	12 hrs	Lecture & PPT
	Cell Matrix, Shells Directional Policy Matrix, Corporate Parenting – Roll of Subjective Factors	6		
V	Strategy Implementation :- Designing Organisational Structure and Activating	4	12 hrs	Black Board & PPT
	Strategies; Matching Structure and Activating Strategies, Structural , Behavioural Functional Implementation	4		
	Concept of Synergy. Strategy Evaluation – Strategic Evaluation and Control, Strategic and Operational Control	2		
	Techniques of Evaluation and Control, Role of Organisational System in Evaluation.	2		

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P.S.
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S. Pushpalatha
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SRI SARADA COLLEGE FOR WOMEN (Autonomous)
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Department	Name of the faculty/s for the course	Academic year	Class
Business Administration	Dr.P.Shunmuga Thangam	2023-2024	III BBA
Semester	Course code	Course title	
VI	19UBBC63	Financial Management	

Title of the book (Text/Reference)	Author/s	Edition & Publisher
Financial Management	Dr. V. Radha	2013(1), Prasanna Publishers, Chennai
Financial Management	Mohamed Peer, Shazuli Ibrahim	2013(1), Prasanna Publishers

Unit No	Topics	No. of hours	Proposed days/date	Remarks- Faculty/ Teaching aids
1	Introduction :Meaning and Scope - Finance Functions – Sources of Finance - Profit Maximization and Wealth Maximization	4	12	Black Board & Lecture
	Relationship between management accounting	4		
	Cost accounting and financial accounting.	4		
2	Cost of Capital :Concept, Importance – Classification	4	12	Black Board
	Calculation of Cost of Debt, Cost of Equity and Cost of Preference Shares - Cost of Retained Earnings – Weighted Average Cost of Capital.	4		
		4		
3	Capital Structure Planning : Meaning and Scope –Approaches: Net Income Approach	4	12	Black Board
	Net Operating Income Approach – MM Approach	4		
	CAPM- Arbitrage Process – Traditional Approach – Indifference Point	4		
4	Leverages : Meaning and Significance – Types: Operating, Financial and Combined Leverages	3	12	Black Board
	EBIT and EPS Analysis, Dividend– Forms of Dividend – Factors determining dividend	3		
	Dividend Theories and Dividend Policies.	4		
		2		
5	Investment Decisions : Concept and Importance –Appraisal Methods: Pay Back Method	4	12	Black Board
	Discounted Cash Flow Method - NPV Method, Excess Present Value Index, Internal Rate of Return, Average Rate of	4		
	Return and Return on Investment, Profitability Index.	4		

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Department	Name of the faculty/s for the course	Academic year	Class
Business Administration	Selvi.A.Suruthivelvizhi	2023-2024	III BBA
Semester	Course code	Course title	
VI	19UBBC64	Human Resource Management	

Title of the book (Text/Reference)	Author/s	Edition & Publisher
Principles of Human Resource Management	T. Eugene	2013(1), Vrinda Publication (P)Ltd, New Delhi
Human Resource Management	V. Radha	2013(1), PrasannaPublisher,Chennai

Unit No	Topics	No. of hours	Proposed days/date	Remarks- Faculty/ Teaching aids
1	Introduction: Definition – Characteristics and Objectives– Principles of HRM– Importance of HRM	4	12	Black Board
	Functions of Personnel Department – Managerial and Operative Functions- International Human Recourse Management	4		
	HR Challenge of International Business- Green HRM- Current trends in HRM.	4		
2	HR Planning: Basics and needs – Factors - Steps in HR Planning (HRM Process) – Job Analysis	4	12	Black Board
	Benefits – Steps in Job Analysis - Job Description	4		
	Job Specification – Job Enlargement – Job Rotation – Job enrichment	4		
3	Recruitment ,Selection and Training: Types – Sources – Process - Selection– Types – Sources	3	12	Black Board
	Process Interviews and Tests - Placement of Personnel – Induction and Orientation Training –	3		
	Objectives –Importance – Methods	4		
	On the Training Vs Off the Job Training – Pros and Cons	2		
4	Performance Evaluation: Importance – Methods	2	12	Black Board
	Benefits - Promotion- Criteria and Types – Seniority Vs Merit Promotion – Pros and Cons Transfer	4		
	Types – Separation – Golden Hand Shake	3		
	Potential Assessment-Wage Determination	3		
5	Industrial relations: Significance -Causes - Suggestion to improve industrial relations	3	12	Black Board
	Trade Union - Workers participation in Management - Collective Bargaining	3		
	Disciplinary procedure – Grievances – Forms	4		
	Steps in Grievance Handling- Whistle-blower - Labour Welfare and Social Security Measures.	2		

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Course Teacher

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Department	Name of the faculty/s for the course	Academic year	Class
Business Administration	Dr.P.Suganya	2023-2024	III BBA
Semester	Course code	Course title	
VI	19UBBE61B	Financial Service	

Title of the book (Text/Reference)	Author/s	Edition & Publisher
Financial Service	Gurusamy.S	2009(2), McGraw Hill Education
Merchant Banking and FinancialService	Gurusamy.S	2013(4), Tata McGraw Hill

Unit No	Topics	No. of hours	Proposed days/date	Remarks- Faculty/ Teaching aids
I	Financial services: Concepts – Objectives / Functions – Characteristics –Importance	3	12	Black Board & PPT
	Classification and Scope of Financial Service - Financial Services Market – Problems of Financial Services Sector	3		
	Growth of Financial Services in India	2		
	Recent Development of Financial Service In Global Scenario	4		
II	Fund Based And Non- Fund Based Financial Services :- Leasing-concept of leasing- types	4	12	Black Board & PPT
	Advantages and disadvantage of leasing – History and Development of leasing - Hire Purchases	4		
	Salient Features – HP Agreement – Origin and Development of HP - Functions of HP	4		
III	Mutual funds; Benefits -Types of Mutual Funds –	4	12	Black Board
	Advantages and Disadvantages of Mutual Fund	4		
	Mutual Funds Regulations – History and Recent developments of Mutual Fund	4		
IV	Factoring, Forfeiting and Venture Capital: Salient Features – Guidelines – Functions,	4	12	Black Board & PPT
	Strategies Involved In Financing - Venture capital	4		
	Concept, importance, the Indianscenario.	4		
V	Merchant Banking Origin: Services of merchant banks, progress of merchant banking in India	4	12	Black Board
	Problems and Scope of Merchant Banking	4		
	Credit Rating Services - Salient Features – Guidelines – Functions.	4		

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Ramade

P.NZ

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P.Suganya
Course Teacher