

(An Autonomous Institution)

Affiliated to ManonmaniamSundaranar University, Tirunelveli)
Institution recognised u/s 2(f) and 12(B) of UGC & Reaccredited with "A" grade by NAAC
(A branch of Sri Ramakrishna Tapovanam, Tirupparaitturai)
Ariyakulam,Thoothukudi NH, Maharaja Nagar Post,

TIRUNELVELI - 627 011



#### **CRITERIA -II**

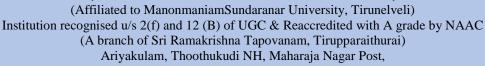
2.6 Student Performance and Learning Outcomes

2.6.1 Course Outcomes

2022-2023



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		SEMESTER-I
Major paper	Micro Economics -I	<ul> <li>To enable the students to understand the basic concepts of economics.</li> <li>To develop the market structure and distribution theories.</li> </ul>
Major paper	Statistical Methods-I	<ul> <li>To enable the students to understand the use of statistical tools in research.</li> <li>To evaluate the diagrammatic and graphic presentation and frequency distribution.</li> </ul>
Allied paper	Environmental Economics	<ul> <li>To enable the students to understand the basic concepts of Environmental Economics.</li> <li>To educate them to have concern towards environment.</li> </ul>
		SEMESTER-II
Major paper	Micro Economics –II	To enable the students to understand the concept of cost, revenue, price determination and profit theories.
Major paper	Statistical Methods-II	<ul> <li>To learn and recognize the connections between theory and applications.</li> <li>To learn and apply the tools of formal inference, in statistics.</li> </ul>
Major	Professional English for Arts and Social Sciences -II	<ul> <li>Develop their competence in the use of English with particular reference to the workplace situation.</li> <li>Enhance the creativity of the students, which will enable them to think of innovative ways to solve issues in the workplace.</li> </ul>
Allied-2	Agricultural Economics	<ul> <li>To acquire the nature and scope of Agricultural Economics.</li> <li>To understand the causes of low productivity in Indian agriculture.</li> </ul>
		SEMESTER III
Major paper	Mathematical Methods	To understand the meaning and significance of elementary mathematical tools.

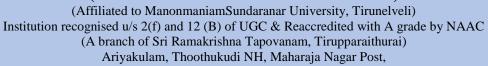








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		To understand the concept of mathematical techniques.
Major paper	International Economics	<ul> <li>To study the determinants of exchange rates and balance of payments</li> <li>To understand the analysis of foreign exchange transactions</li> </ul>
Allied - 3	Health Economics	<ul> <li>To assess the efficiency and effectiveness of functions and their cost implication.</li> <li>To understand the policy relevance and utility through Planning</li> </ul>
NME-1	<b>Essentials of Economics</b>	<ul> <li>To learn about product pricing under different market conditions.</li> <li>To enhance the knowledge and productivity level and to Investment.</li> </ul>
NME -1	<b>Economics Insurance</b>	<ul> <li>To provide basic knowledge of insurance.</li> <li>To know the essentials of insurance.</li> </ul>
		SEMESTER IV
Major paper	Mathematical Economics	<ul> <li>To enable students to apply mathematics to understand economic theory.</li> <li>To use appropriate mathematical concepts to solve economic problems.</li> </ul>
Major paper	International Economic Theories and Polices	<ul> <li>To study the theories of international trade in goods and services</li> <li>To study the recent trend in India's foreign trade</li> </ul>
Allied-41	Rural Economics	<ul> <li>To understand the features of rural economy and to highlight the need to develop rural areas.</li> <li>To bring into the light the problems of rural villages and to familiarize the initiatives undertaken.</li> </ul>
Skilled Based-2	Entrepreneurial Enhancement	<ul> <li>To Understand the role of women entrepreneurs</li> <li>To motivate to Start enterprises by using institutional supports</li> </ul>
NME-2	Issues in Indian Economy	<ul> <li>To study the Characteristics of Indian Economy.</li> <li>To understand the causes and consequences of Poverty</li> </ul>
NME -2	Economics of Salesmanship	<ul> <li>To provide basic knowledge of salesman in marketing.</li> <li>To develop salesmanship skills in students</li> </ul>

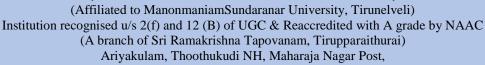








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		SEMESTER V
Major paper	Basics of Macro Economics	<ul> <li>To Study the significance and limitations of Macro Economics Analysis</li> <li>To study the concept of National Income and multiplier efforts.</li> </ul>
Major paper	Money and Banking	<ul> <li>To Study the functions &amp; kinds of Money</li> <li>To learn the Importance of Commercial, Central, and Modern Banking.</li> </ul>
Major paper	Indian Economy	<ul> <li>To study the causes of poverty and unemployment</li> <li>To compare the role of agriculture and industry in Indian Economy</li> </ul>
Major paper	Industrial Economics	<ul> <li>To study the industrial development with foreign collaboration</li> <li>To study the sources and importance of industrial finance and government policy</li> </ul>
Common	Economics for Competitive Examinations	<ul> <li>To assess the trend of Indian economy in various sectors</li> <li>To familiar with current affairs of Indian economy for the preparation of competitive examinations.</li> </ul>
		SEMESTER VI
Common	Project	<ul> <li>To have hands on training in the fields of economic sectors.</li> <li>To train presentation skill in the open forum.</li> </ul>
Major paper	Macro Economic Theory and Practice	<ul> <li>To enable the students to understand the concepts, theoretical foundations and methods of analysis in Macro Economics.</li> <li>To develop the skill in evaluating macroeconomic policies of economic development</li> </ul>
Major paper	: Public Finance	<ul> <li>To Understand the equitable distribution of wealth within the society.</li> <li>To understand the importance of Public finance, taxation, state and central budget.</li> </ul>
Major paper	: Planning and Growth	<ul> <li>To examine the core issues and theories in economic development.</li> <li>To gain knowledge about the dynamics of development.</li> </ul>
Major paper	Labour Economics	<ul> <li>To understand the functioning and dynamics of the market for wage labour.</li> <li>To Study the importance of social security to unorganized sector workers.</li> </ul>
Major paper	<b>Economic Thinkers</b>	To assess the efficiency and effectiveness of functions and their cost

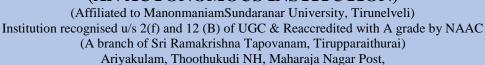








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		implication.
		To understand the policy relevance and utility through Planning
Major paper	Demographic	To understand the meaning and significance of Democracy in
	Economics	economics.
		To know the knowledge about the Size, Composition and distribution
		of Population.
		SEMESTER I
Core 1	Calculus and Classical	To understand the basic concepts of Calculus.
	Algebra	To gain knowledge in applications of Calculus.
Core	Professional English	To develop the language skills of students by offering adequate practice
	for Physical Sciences -	in professional contexts.
	I	To enhance the lexical, grammatical and socio-linguistic and
		communicative competence of first year physical sciences students
Allied-I	Allied Mathematics I	To understand the basic concepts of equations
		Learnt to solve the algebraic equations of higher order using the
		methods discussed
		SEMESTER II
Core -2	Analytical Geometry -	To introduce the first order and higher degree equations.
	3D and Differential	To introduce the method of solving the Clairaut's form equation and
	Equations	lagrange's equation
Allied-II	Allied Mathematics II	To provide basic knowledge of vector differentiation and integration.
		To solve integration problems.
		SEMESTER III
Core-3	Sequences and Series	To lay a good foundation of Classical Analysis
	•	To study the behavior of Sequences and series
Skill Based Core	Trigonometry and	To enrich with the knowledge of trigonometric functions
	Vector Calculus	To have a good foundation for vector calculus.
Non Major	Basics of Statistics	To provide basic knowledge of correlation and regression.
Elective		To develop a working knowledge to handle practical problem.
Non-Major	Mathematics for	To learn the problems solving techniques for aptitude problems.
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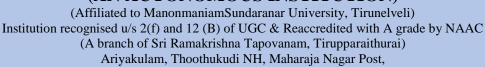








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E-mail: <a href="mailto:srisaradatvl@gmail.com">srisaradatvl@gmail.com</a> Website: <a href="mailto:www.srisaradacollege.org">www.srisaradacollege.org</a>

Elective	Competitive Examinations-I	To enable the students prepare themselves for various competitive examinations.
	•	SEMESTER IV
Core-4	Modern Algebra	To introduce the concept of Groups, Rings and Ideals.
		To study the concept of Homomorphism and Isomorphism.
Skill Based Core	Laplace Transforms	To know the concept of Laplace Transform
	and Fourier Series	To study the concept of Fourier Series
Non-Major	Essentials of Statistics	To introduce measures of central tendency to other major students.
Elective		To study index numbers and simple problems.
Non-Major	Mathematics for	To learn the problems solving techniques for aptitude problems.
Elective	CompetitiveExaminati ons-II	• To enable the students prepare themselves for various competitive examinations.
		SEMESTER V
Core -5	Real Analysis	<ul> <li>To give a comprehensive idea about the continuity, connectedness and compactness</li> <li>To have a good foundation in the concepts of abstract mathematics.</li> </ul>
Core-6	Mechanics	<ul> <li>To understand the basic concept and principles of statics and dynamics.</li> <li>To introduce the postulates governing static and dynamic system.</li> </ul>
Core-7	Transforms and Their Applications	<ul> <li>To understand the basic concept and principles of statics and dynamics.</li> <li>To introduce the postulates governing static and dynamic system.</li> </ul>
Core Elective I	Fuzzy Sets and Logic	<ul> <li>To explain the fundamental concepts of fuzzy set.</li> <li>To demonstrate the concept of α-cuts and its properties.</li> </ul>
Core Elective I	Discrete Mathematics	To introduce the concept of lattice.  The state of t
Core Elective-I	Astronomy	To enable the students to understand the Astronomical sensets.
Core Elective-I	Astronomy	To enable the students to understand the Astronomical aspects and about the laws governing the planet movements.
		<ul> <li>To achieve a good understanding of physical laws and principles.</li> </ul>

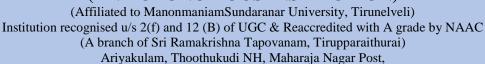








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Mathematics for competitive Examinations and Project	<ul> <li>To demonstrate an understanding of the foundations and history of Mathematics</li> <li>To perform computations in higher mathematics</li> </ul>
	SEMESTER VI
Linear Algebra	<ul> <li>To learn about vector spaces and matrices and theorems.</li> <li>To cope-up with the homeomorphisms through fundamental theorem.</li> </ul>
Complex Analysis	<ul> <li>To assist the students in learning fundamental ideas and theorems about complex plane.</li> <li>To learn about bilinear transformation</li> </ul>
Number Theory	<ul> <li>To understand the basic knowledge of numbers and its types.</li> <li>To explain congruence and its properties</li> </ul>
Graph Theory	<ul> <li>To learn the basic concepts in Graph theory such as trees.</li> <li>To familiarize the concepts on planar, Euler an and Hamiltonian graphs.</li> </ul>
Applications of Differential Equations	<ul> <li>To study the concept of measures of dispersion and measures of central tendencies.</li> <li>To develop the concept of Probability distribution</li> </ul>
Operations Research	<ul> <li>To introduce the various techniques of Operation Research.</li> <li>To solve problems in Business management.</li> </ul>
	SEMESTER I
தற்காலஇலக்கியம்	<ul> <li>தமிழ்இலக்கியங்களின்இன்றையவளர்ச்சிநிலையைஅறியச்செய்த ல்.</li> <li>புதியபடைப்புகளைஉருவாக்கத்தூண்டுதல்.</li> </ul>
	SEMESTER – II
பக்திஇலக்கியம்	<ul> <li>பேச்சாற்றல், படைப்பாற்றல்</li> <li>போட்டித்தேர்வுகளில்உயர்ந்தமதிப்பெண்கள்.</li> <li>தமிழர்களின்வாழ்வியலை,வழிபாட்டுமுறைகளைஅறிந்துகொள்ளு தல்</li> </ul>
பன்னோக்குஇலக்கிய ம்	<ul> <li>வாழ்வியலைஅறிந்துகொள்ளுதல், பேச்சாற்றல்.</li> <li>போட்டித்தேர்வுகளில் உயர்ந்தமதிப்பெண்கள்.</li> <li>பத்திரிக்கைஎழுத்தாளர்,வானொலிமற்றும்தொலைக்காட்சிநிலைய அறிவிப்பாளர்.</li> </ul>
	SEMESTER III
	competitive Examinations and Project  Linear Algebra  Complex Analysis  Number Theory  Graph Theory  Applications of Differential Equations Operations Research  தற்கால இலக்கியம்  பக்தி இலக்கியம்

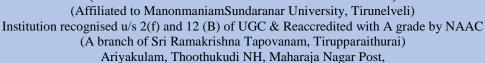








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: Language	காப்பியஇலக்கியம்	<ul> <li>காப்பியஇலக்கியத்தோற்றம், வளர்ச்சிகுறித்துஅறியத்தருதல்.</li> <li>தமிழ்இலக்கியங்களில்காப்பியம்பெற்றுள்ளசிறப்பிடத்தைஎடுத்து ரைத்தல்.</li> </ul>
Language	காவியஇலக்கியம்	<ul> <li>காப்பியஇலக்கியத்தோற்றம், வளர்ச்சிகுறித்துஅறியத்தருதல்.</li> <li>தமிழ்இலக்கியங்களில்காப்பியம்பெற்றுள்ளசிறப்பிடத்தைஎடுத்து ரைத்தல்.</li> </ul>
NME	பழகுதமிழ்தாள்–I	<ul> <li>தமிழ்எழுத்துக்களின்அறிமுகம்மற்றும்சொற்களைக்கற்றல்.</li> <li>சொற்திறன்மற்றும்எழுதும்திறனைவளர்த்தல்.</li> <li>மொழிவழிதகவல்களைசெறிவாகப்பயன்படுத்துதல்.</li> </ul>
: NME	தீந்தமிழ்தாள்–I	• மொழித்திறனைவளர்த்தல்.
		தொடர்புதிறன்மற்றும்சிந்தனைத்திறனைவளர்த்தல். ● இலக்கியங்கள்கூறும்வாழ்வியலைஎடுத்துரைத்தல்.
		SEMESTER IV
Language	பண்டைஇலக்கியம்	<ul> <li>பழந்தமிழ்இலக்கியவளத்தைஉணர்த்துதல்.</li> <li>சங்கஅக, புறபாடல்மரபுகளைப்பயிற்றுவித்தல்.</li> <li>வாழ்வியல்அறங்கள்மற்றும்வரலாற்றுச்செய்திகளைஅறியச்செய்த ல்.</li> </ul>
Language	செவ்வியல்இலக்கியம்	பழந்தமிழ்இலக்கியவளத்தைஉணர்த்துதல்.     சங்கஅக, புறபாடல்மரபுகளைப்பயிற்றுவித்தல்.     வாழ்வியல்அறங்கள்மற்றும்வரலாற்றுச்செய்திகளைஅறியச்செய்த ல்.
NME	பழகுதமிழ்தாள்– II	பிழையின்றிப்பேசவும்,எழுதவும்பயிற்றுவித்தல்.     பண்பாடுமற்றும்கலாச்சாரத்தைஎடுத்துரைத்தல்.     போட்டித்தேர்வுகளில்சிறந்தமதிப்பெண்பெறச்செய்தல்.
NME	தீந்தமிழ்தாள்– II	<ul> <li>மொழிவளம்மற்றும்சிந்தனைத்திறனைவளர்த்தல்.</li> <li>படைப்புத்திறனைவளர்த்துக்கொள்ளஊக்குவித்தல்.</li> <li>போட்டித்தேர்வுகளில்சிறந்தமதிப்பெண்கள்பெறச்செய்தல்</li> </ul>
		SEMESTER I
Core 1	Calculus and Classical	To understand the basic concepts of Calculus.
	Algebra	To gain knowledge in applications of Calculus.
		To understand the basic concepts of equations.
Core	Professional English for Physical Sciences - I	Recognize their own ability to improve their own competence in using the language

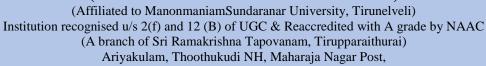








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Allied-I	Allied Mathematics I	<ul> <li>Use language for speaking with confidence in an intelligible and acceptable manner</li> <li>Understand the importance of reading for life</li> <li>To understand the basic concepts of equations</li> <li>Learnt to solve the algebraic equations of higher order using the methods discussed</li> </ul>
Core -2	Analytical Geometry - 3D and Differential Equations	<ul> <li>To introduce the first order and higher degree equations.</li> <li>To introduce the method of solving the Clairaut's form equation and lagrange's equation.</li> <li>Learnt to identify the types of differential equations and to solve them using appropriate method.</li> </ul>
Allied-II	Allied Mathematics II	<ul> <li>To provide basic knowledge of vector differentiation and integration.</li> <li>To solve integration problems.</li> <li>To understand the evaluation of double and triple integrals.</li> </ul>
Core-3	Sequences and Series	<ul> <li>To lay a good foundation of Classical Analysis</li> <li>To study the behavior of Sequences and series</li> <li>To gain knowledge about Comparison test and nth test.</li> </ul>
Skill Based Core	Trigonometry and Vector Calculus	<ul> <li>To enrich with the knowledge of trigonometric functions</li> <li>To have a good foundation for vector calculus.</li> </ul>
Non Major Elective	Basics of Statistics	<ul> <li>To provide basic knowledge of correlation and regression.</li> <li>To develop a working knowledge to handle practical problem.</li> </ul>
Non-Major Elective	Mathematics for Competitive Examinations-I	<ul> <li>To learn the problems solving techniques for aptitude problems.</li> <li>To enable the students prepare themselves for various competitive examinations</li> </ul>
		SEMESTER IV
Core-4	Modern Algebra	To introduce the concept of Groups, Rings and Ideals.

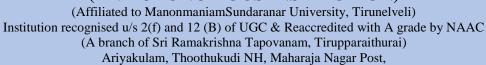








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	-	The state of the s
		To study the concept of Homomorphism and Isomorphism.
Skill Based Core	Laplace Transforms	To know the concept of Laplace Transform
	and Fourier Series	To study the concept of Fourier Series
Non-Major	<b>Essentials of Statistics</b>	To introduce measures of central tendency to other major students.
Elective		<ul> <li>To study index numbers and simple problems.</li> <li>To know the concept of attributes.</li> </ul>
Non-Major	Mathematics for	To learn the problems solving techniques for aptitude problems.
Elective	Competitive	To enable the students prepare themselves for various competitive
	<b>Examinations-II</b>	examinations.
		SEMESTER V
Core -5	Real Analysis	To give a comprehensive idea about the continuity, connectedness and
	,	<ul> <li>compactness</li> <li>To have a good foundation in the concepts of abstract mathematics.</li> </ul>
Core-6	Mechanics	To have a good roundation in the concepts of abstract mathematics.
	TVICORUM CO	To understand the basic concept and principles of statics and dynamics.  To independ the basic concept and principles of statics and dynamics.
		<ul> <li>To introduce the postulates governing static and dynamic system.</li> <li>Learn to analyze the mechanism of physical problems.</li> </ul>
Core-7	Transforms and Their	Learn to analyze the meenanism of physical problems.
Cole	<b>Applications</b>	To understand the basic concept and principles of statics and dynamics.  To independ the basic concept and principles of statics and dynamics.
		<ul> <li>To introduce the postulates governing static and dynamic system.</li> <li>Learn to analyze the mechanism of physical problems.</li> </ul>
Core Elective I	Fuzzy Sets and Logic	To explain the fundamental concepts of fuzzy set.
	•	<ul> <li>To demonstrate the concept of α-cuts and its properties.</li> </ul>
Core Elective I	<b>Discrete Mathematics</b>	To introduce the concept of lattice.
		To teach various types of lattices.
		To cope-up with recent advancements in Boolean algebra and logic.
Core Elective-I	Astronomy	To enable the students to understand the Astronomical aspects and
		about the laws governing the planet movements.
		<ul> <li>To achieve a good understanding of physical laws and principles.</li> <li>Use Mathematics to performs calculations on earth and or space science</li> </ul>
		problems.
Project	Mathematics for	To demonstrate an understanding of the foundations and history of
	competitive	Mathematics  • To perform computations in higher mathematics
	<b>Examinations and</b>	To perform computations in inglier mathematics
	Project	

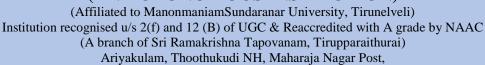








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		SEMESTER VI
Core - 8	Linear Algebra	<ul> <li>To learn about vector spaces and matrices and theorems.</li> <li>To cope-up with the homomorphism's through fundamental theorem.</li> <li>To explain about rank and nullity.</li> </ul>
Core -9	Complex Analysis	<ul> <li>To assist the students in learning fundamental ideas and theorems about complex plane.</li> <li>To learn about bilinear transformation</li> <li>To explain about poles and residues through Taylor and Laurent's series expansions.</li> </ul>
Core -10	Number Theory	To understand the basic knowledge of numbers and its types.
Core-11	Graph Theory	<ul> <li>To explain congruence and its properties.</li> <li>To learn the basic concepts in Graph theory such as trees.</li> <li>To familiarize the concepts on planar, Eulerian and Hamiltonian graphs.</li> <li>To explain about its applications</li> </ul>
Core-12	Statistics	<ul> <li>To study the concept of measures of dispersion and measures of central tendencies.</li> <li>To develop the concept of Probability distribution.</li> </ul>
Core Elective II	Applications of Differential Equations	<ul> <li>To study the concept of measures of dispersion and measures of central tendencies.</li> <li>To develop the concept of Probability distribution.</li> </ul>
Core Elective II	Operations Research	<ul> <li>To introduce the various techniques of Operation Research.</li> <li>To solve problems in Business management.</li> <li>To understand different types of LLP.</li> </ul>
Core Elective-II	Physical Cosmology	<ul> <li>To enable the students to learn about the interesting facts of Moon, Sun and Planetary motion.</li> <li>To achieve a good understanding of physical laws and principles.</li> <li>To describe and explain the observed daily and long-term motion of objects (sun, moon, planets and stars)</li> </ul>
		SEMESTER I
Core 1	Mechanics, Properties of Matter And Acoustics	<ul> <li>To classify materials based on the realistic properties</li> <li>To explain the concept to fluid dynamics and applications</li> </ul>

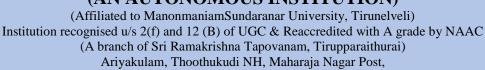








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		To study the behavior of rigid body dynamics
Core	Professional English for Physical Sciences–I	<ul> <li>To develop he language skills of students by offering adequate practice in professional contexts.</li> <li>To enhance the lexical, grammatical and socio-linguistic and communicative competence of first year Physical sciences students</li> </ul>
Allied 1	Allied Physics—I (for Mathematics Students)	<ul> <li>To understand the elastic behaviours of different materials</li> <li>To understand the concept of surface tension and viscosity</li> </ul>
Core Practical 1	Mechanics and Optics Practicals	<ul> <li>To develop the practical skills by applying the laws and concepts in physics experiments.</li> </ul>
Allied	Allied Physics Practical–I	<ul> <li>Understand the application side of the experiments</li> <li>Useofbasiclawstostudythespectralpropertiesandopticalpropertiesofthegi venprism</li> </ul>
		SEMESTER II
Core 2	Thermal Physics And Optics	<ul> <li>To classify materials based on their elastic properties</li> <li>To explain the concept of fluid dynamics and applications</li> <li>To study the behavior of rigid body dynamics</li> </ul>
Allied 2	Allied Physics-II(for Maths )	<ul> <li>To acquire knowledge about electric field, magnetic field and the relation between those two.</li> <li>To acquire knowledge on static properties of nuclei and nuclear models</li> </ul>
Core Practical 2	Thermal and Optics Practicals	<ul> <li>Obtain the knowledge in electrical, light and heat experiments.</li> <li>Use of basic laws to study the spectral properties and optical properties of the given prism and grating.</li> </ul>
Allied Practical 2	Allied Practical – II(for Maths)	<ul> <li>Gain knowledge in the scientific methods and learn the process of measuring different Physical variables</li> <li>Use standard methods to calibrate the given low range voltmeter and ammeter and to measure</li> </ul>

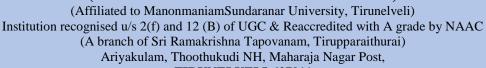








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		SEMESTER III
Core 3 Skillbased1	Electricity  Maintenance of Electrical and	<ul> <li>To provide a basic knowledge about electricity and various methods of analyzing electric circuits using DC and AC sources.</li> <li>To develop ideas about electricity from school level to a graduate level</li> <li>To enable the students to understand the operations and safe handling of certain commonly used domestic appliances.</li> </ul>
	<b>Electronic Equipments</b>	To get basic knowledge about electricity and magnetism.
Allied  Non Major Elective	Allied Physics–I(for chemistry Students)  Basic physics-I	<ul> <li>To understand the elastic behaviours of different materials</li> <li>To understand the concept of surface tension and viscosity</li> <li>To acquire knowledge about of Bernoulli's principle</li> <li>To know how to measure heat and temperature.</li> </ul>
Non Major Elective	Applied Physics	<ul> <li>To acquire knowledge about energy sources.</li> <li>To know about fossil fuels.</li> </ul>
Core Practical 3	Basic Electrical Practicals	<ul> <li>To get practical knowledge on physical concepts through experiments.</li> <li>Gain knowledge about magnetic and electrical experiments.</li> </ul>
Allied Practical 1	Allied Physics Practical-I(For Chemistry Students)	<ul> <li>Understand the application side of the experiments</li> <li>Use of basic laws to study the spectral properties and optical properties of the given prism</li> </ul>
		SEMESTER IV
core 4	Electromagnetism	<ul> <li>To understand the magnetic effects of electric currents and the basics of electromagnetic waves.</li> <li>To impart knowledge about inductance of a coil, solenoid and toroid</li> </ul>
Skill based 2	Testing and Practical use of Electronic Components	<ul> <li>To provide an idea about handling of commonly used electronic equipments.</li> <li>To understand about oscilloscopes.</li> <li>To know how to measure voltage, current and resistance using multimeter.</li> </ul>

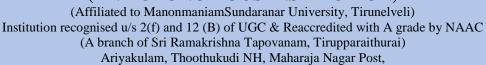








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Allied	Allied Physics-II(for	To acquire knowledge about electric field, magnetic field and the
	chemistry)	relation between those two.
		To acquire knowledge on static properties of nuclei and nuclear models
Non-Major	Basic physics-II	To gain basic knowledge about structure and properties of nucleus.
Elective		To understand the properties of alpha, beta and gamma rays
		To get idea about different types of lasers
Non Major	Space Physics	To acquire knowledge about of Constellations.
Elective	J	To know about comets, meteors and asteroids.
		To measure the electro motive force (emf) and internal resistance of a
Core Practical 4	Magnetic and Electric	dry cell.
	Practicals	To determine the resistance of a ballistic coil galvanometer by half
		deflection method
Allied Practical 2	Allied Practical-II	Students can easily understand how to calibrate voltmeter and ammeter.
I I I I I I I I I I I I I I I I I I I	(For Chemistry	To understand the concept of comparison between basic logic gates—
	Students)	AND,OR, NOT.
	Students)	7111D,OR,1101.
		SEMESTER V
Core 5	<b>Analog Electronics</b>	To know about the ore muse din Electronics
		To understand about diode and transistor circuits and the basics of
		operational amplifier.
		To gain knowledge about rectifier circuits and its applications
Core 6	Programming in C++	To provide knowledge about the basics of Computer programming in
		C++
		To solve the problems using C++ programme
Core 7	Atomic Physics	To provide an introductory account about the atomic structure and the
		impact of X-rays.
		To give a broad knowledge about important characteristics of atoms,
		molecules and their interaction with electromagnetic fields
Core Elective	Numerical Methods	To analyze the error and accuracy of common numerical methods and to
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		rectify it.
		To know how to use approximation methods to find
~		solution to problems which do not have exact solution
Core Elective	Fundamentals of	To impact the knowledge of atomic spectra, molecular spectra and their
	Spectroscopy	instrumentations.
		To gain knowledge to identify materials with the help of various spectra
Core Practical 5	<b>Electrical and Optics</b>	To get well developed knowledge about Spectrometer experiments
		get a series and a

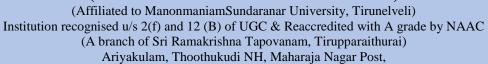








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	Practicals	To analyze the effects of refractive index of a medium using optical
		instruments
Core Practical 6	Analog and Digital	To learn physical concepts through experiments
	<b>Electronics Practicals</b>	The students can acquire the knowledge about the characteristics of
		Transistor
Core 8	Physics for	Enable to get through in various competitive examinations like
	Competitive	governments service, entrance examinations for higher studies.
	Examination and	go verimients service, entrance examinations for ingher studies.
	Project	
		CENTECATEDAY
		SEMESTERVI
Core 9	Digital Electronics	To know about decimal, binary, octal, and hexa decimal number
		systems and their conversions.
		To provide knowledge about Boolean algebra and logic gates.
Core 10	<b>Quantum Mechanics</b>	Learn the Failure of classical physics
		Understand the distribution of energy in the spectrum of black body
Core 11	Nuclear Physics	To know about the nucleus and its properties
		To understand the concept of nuclear forces and its theories
Core 12	Solid State Physics	Explain crystal systems, diffraction and reciprocal space
		Define Atomic packing, Crystal, Lattice, Unit cell and Translation
		vectors
Core 13	<b>Energy Physics</b>	To know about the concept of various forms of renewable energy and
		nonrenewable energy
		To able to perform an initial design of a renewable energy system
Core Practical 7	Electrical &	The students can know that Anderson bridge is used to measure an
~	<b>Electronics Practicals</b>	unknown inductance in terms of known capacitance.
Core Practical 8	Computer	The students can calculate the period of pendulum, to learn the Physics
	Programming in C++	formulas apply on the C++ program
		PG SEMESTER I
Core1	Classical Mechanics	Students have a deep understanding of Newton's laws. Understand the
		foundations of chaotic motion.
Core2	<b>Mathematical Physics</b>	Have deep Knowledge about vector analysis and matrices.
	I	Gain knowledge in special functions and Fourier's Integral q` Transforms.

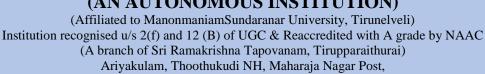








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Core3	Integrated electronics	<ul> <li>Have a deep knowledge about the concepts and terminology of digital electronics.</li> <li>The ability to understand analyze and design various combinational and sequential circuits.</li> </ul>
Core4	Non-Linear Dynamics	<ul> <li>Have knowledge about in online arity and oscillators.</li> <li>Understand the ideas about Fractals and Solitons.</li> </ul>
Core5	Nano Physics	<ul> <li>Know about different types of synthesis processes</li> <li>Gain basic ideas about laser synthesis</li> <li>Get knowledge about biological synthesis</li> </ul>
CorePractical1	General Physics Experiments Lab	The student will be able to understand the fundamental physics behind many scientific discoveries through hands on experience.
CorePractical 2	Advanced Electronics Lab	The student will be able to understand the fundamental physics behind electronic circuits used in many modern devices through hands on experience.
		SEMESTER II
Core6	Mathematical Physics II	Physics candidate should be able to understand basic theory of vector and tensor analysis and functions of complex variables.
Core7	Condensed Matter Physics	<ul> <li>Physics candidate will be able to underst and the physics behind structural properties of the solids.</li> <li>Physics candidate can pursue there search work in the field of material science and nanotechnology.</li> </ul>
Core 8	Microprocessor8085an dMicrocontroller8051	Physics candidate should able to understand the 8085     Microprocessor and 8051 microcontroller and their architectures

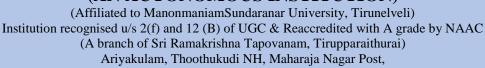








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Core 9	Numerical Methods and Programming in C++	Physics candidate should be able to use the bisection method, false position, Newton's, Secant method to estimate the number of iterations in the algorithm to achieve desired accuracy with the given tolerance;
Core 10	Optoelectronics and Communication	<ul> <li>To explain the optical process in semiconductors.</li> <li>To explain the construction and applications of optoelectronic devices.</li> </ul>
Core Practical 3	Advanced Physics Experiments Lab	Gain the knowledge in advanced technique of Physics and Science methodology.
CorePractical 4	Integrated Electronics Lab	Gain the knowledge about electronic circuit and its working.
		SEMESTER III
Core 11	Quantum Mechanics I	<ul> <li>To get knowledge about wave functions and Schrodinger equations.</li> <li>To understand matrix mechanics and Heisenberg uncertainty principle.</li> </ul>
Core 12	Electromagnetic Theory	To understand propagation of electromagnetic waves through various media including waveguides
Core 13	Statistical Mechanics	<ul> <li>To study the basic concepts involved in statistical mechanics, classical and quantum statistics.</li> <li>To acquire basic understanding of applications of quantum statistics, phase transition in certain physical problems.</li> </ul>
Core 14	Research Methodology	To understand the basic concepts of literature collection, activities involved in there search problem, method of writing the thesis.
Core15	Project	The students can apply the oretical knowledge of principles and concepts of Physics to practical problems use mathematical techniques and interpret mathematical models of physical behavior.
Core Practical 5	Advanced Magnetic and Optics Lab	<ul> <li>To provide hands on experience in understanding the advanced physics experiments Gouy's method, elliptical fringes, Hall probe into Gaussmeter, and Photo transistor characteristics.</li> <li>To study the basic skills and knowledge about the experiments.</li> </ul>

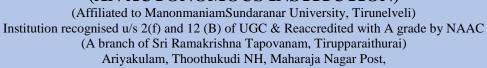








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		SEMESTERIV
Core 16	Quantum mechanics II	<ul> <li>To provide the knowledge on the theory of angular momentum.</li> <li>To study various approximation methods, and theory of scattering</li> </ul>
core 17	Spectroscopic Techniques	<ul> <li>To give detailed knowledge about various types of spectroscopy.</li> <li>To determine the structure of different chemical compounds by studying the setypes.</li> </ul>
Core 18	Nuclear and Particle Physics	<ul> <li>To get knowledge about the elementary particles and nuclear structure.</li> <li>To study about various nuclear reactions. To know about elementary particles</li> </ul>
Core Elective 1	Astro Physics	<ul> <li>To renew the concepts of coordinate system and stellarspectra.</li> <li>To get the clear understanding of astronomical instruments.</li> </ul>
CoreElective 1	Renewable Energy Sources	<ul> <li>To understand a brief knowledge about the types of various non-conventional energy sources.</li> <li>To study the societal application of these energy sources.</li> </ul>
CoreElective 1	Material Science	<ul> <li>To learn about mechanical properties of materials</li> <li>To know the concept of phase diagram</li> </ul>
Core Practical6	Advanced Thermal and Electrical Lab	<ul> <li>Dehands on experience in understanding the advanced physics experiments Hall effect, Hysteresis, Ultrasonic diffraction etc.,</li> <li>To understand basic skills and knowledge about the experiments.</li> <li>To study the theory behind the experiments.</li> </ul>
Core Practical 7	Microprocessor and C++Programming Lab	<ul> <li>To Provide hands on experience on microprocessor experiments.</li> <li>To learn the knowledge of arithmetic operation, data manipulation, interfacing experiments ,ADC&amp;DAC conversion etc</li> </ul>
		SEMESTER I
Core Paper-1	Basics of Inorganic	To study the atomic structure from wave mechanical concept

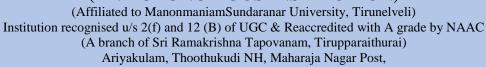








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	Chemistry	To know the arrangement of elements in the periodic table and the periodic properties.
Core 1	Professional English for Physical Sciences-I	<ul> <li>To enhance the lexical, grammatical and socio-linguistic and communicative competence of first year physical sciences students</li> <li>To focus on developing students" knowledge of domain specific registers and the required language skills.</li> </ul>
Core Practical-1	Inorganic Quantitative Analysis-I	<ul> <li>To enable the students to acquire the quantitative skills in volumetric analysis.</li> <li>At the end of the course, the students should be able to plan experimental projects and execute them.</li> </ul>
		SEMESTER II
: Core Paper-2	Basics of Organic Chemistry and States of Matter	<ul> <li>To learn the classification and nomenclature of organic compounds.</li> <li>To study the basic reaction mechanism</li> </ul>
Add on Core 2	Professional English for Physical Sciences-II	<ul> <li>Develop their competence in the use of English with particular reference to the workplace situation.</li> <li>Enhance the creativity of the students, which will enable them to think of innovative ways to solve issues in the workplace.</li> </ul>
Core Practical-2	Inorganic Quantitative Analysis-II	<ul> <li>To enable the students to acquire the quantitative skills in volumetric analysis.</li> <li>To make the students thorough in inorganic complex preparations         SEMESTER III     </li> </ul>
Core Paper- 3	Organic Functional Groups	<ul> <li>To learn about aliphatic and aromatic aldehyde and ketone.</li> <li>To know the chemical reactions of mono, di and unsaturated carboxylic acids.</li> </ul>
Core Practical-3	Inorganic Qualitative Analysis	<ul> <li>To understand the systematic analysis of inorganic salt mixture.</li> <li>To create an awareness on eco-friendly approach in salt analysis</li> </ul>

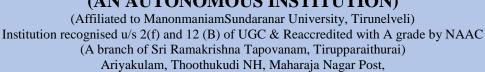








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Allied – 1	Basic Concepts in Chemistry	<ul> <li>To learn about atomic structure and bonding.</li> <li>2.To learn the principles of reactions of organic compounds.</li> </ul>
Allied Practical – 1	Inorganic Quantitative Analysis	To enable the students to acquire the quantitative skills in volumetric analysis
Skill Based Core (SBC) -1	Agro Chemistry	<ul> <li>To learn about fertilizers</li> <li>To learn about pesticides</li> </ul>
Non Major Elective-1	Water Technology	<ul> <li>To acquire the knowledge of Water Pollution</li> <li>To understand water quality parameters</li> <li>To know water purification techniques</li> </ul>
Non Major Elective-1	Basics of Food Science	<ul> <li>To acquire the basic knowledge of food chemistry and nutrition contents in food</li> <li>To gain knowledge in food Additives</li> </ul>
		SEMESTER IV
Core Paper –4	Thermodynamics	<ul> <li>To learn about basic concepts and I law of thermo dynamics</li> <li>To know the need for II law of the rmodynamics</li> </ul>
Core Practical- 4	Inorganic Preparation and Determination of Physical Constants	<ul> <li>To train the students thoroughly in preparing the in organic complexes.</li> <li>To enable the students to determine the physical constants.</li> </ul>
Allied-2	Advanced Topics in Chemistry	<ul> <li>To learn the basic concepts of polymer chemistry.</li> <li>To know the importance of chemistry in industries.</li> </ul>
Allied Practical-2	Inorganic Qualitative Analysis	<ul> <li>To enable the student to understand various procedure in salt analysis.</li> <li>To create an awareness on eco-friendly approach in salt analysis</li> </ul>
Skill Based Core (SBC)-2	Human Health Chemistry	<ul> <li>To have knowledge of first aid and the important rules.</li> <li>To acquire knowledge about the chemicals used in medicine</li> </ul>
Non Major Elective-2	Applied Chemistry	To study about Soaps, Detergents

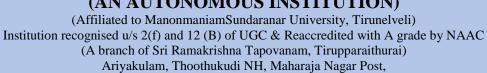








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		<ul> <li>To know the importance offertilizer</li> <li>To know the basic concept of polymer chemistry.</li> </ul>
Non Major Elective-2	Dairy Chemistry	<ul> <li>To learn the composition of milk and the factors affecting its composition.</li> <li>To understand the processing of milk</li> <li>To know the chemistry of cream and butter</li> </ul>
		SEMESTER V
Core Paper – 5	Metallurgy and Group Elements	<ul> <li>To learn the chemistry of s, p, d &amp; f- Block elements</li> <li>To learn the preparative methods of some compounds</li> <li>To know the basic principles of metallurgy</li> </ul>
Core Paper – 6	Stereochemistry and Heterocyclic Compounds	<ul> <li>To know about the various types of dyes and heteronucle a hydrocarbons.</li> <li>To understand the organic reaction mechanisms.</li> <li>To understand the stereochemistry of organic compounds</li> </ul>
Core Paper- 7	Electrochemistry and Phase Equilibria	<ul> <li>To understand the basic concept of Electro chemistry</li> <li>To know the working principle of various electrode.</li> </ul>
Core Elective-1	Polymer Chemistry	<ul> <li>To know the concept of polymerization and types of polymers</li> <li>To understand the characteristics of polymers</li> </ul>
Core Elective-1	Bioinorganic Chemistry	<ul> <li>To study the significance of trace elements in biological system.</li> <li>To study the biological role of electron transfer proteins</li> </ul>
Core Elective-1	Chemical Biology and Biophysical Chemistry	<ul> <li>To gain knowledge about Carbohydrates</li> <li>To understand and the physical properties of Amino acids</li> <li>To study the reactions of Lipids</li> </ul>
Skill Based Elective	Chemistry for Competitive Examinations and	<ul> <li>Tostudytheperiodicproperties, hybridization and geometry of molecules</li> <li>To study the basic principles and the methods of preparation , properties and uses of organic compounds.</li> </ul>

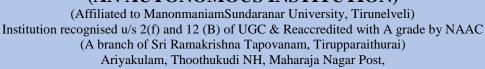








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	Project	
Core Practical –5	Organic Analysis and Organic Estimation	<ul> <li>To enable the students to understand the various procedures in organic analysis and organic preparation</li> <li>To create an awareness on micro scale experiments in organic chemistry practical</li> </ul>
		SEMESTER VI
Core Paper- 8	Bioinorganic Chemistry and Coordination Chemistry	<ul> <li>To study the theories in coordination chemistry.</li> <li>To acquire basic knowledge about splitting of orbital</li> </ul>
Core Paper-9	Organic Spectroscopy and Natural Products	<ul> <li>To study the classification and structure of carbohydrates.</li> <li>To study the structural elucidation and biological properties of alkaloids</li> </ul>
Core Paper- 10	Kinetics, Spectroscopy and Group Theory	<ul> <li>To study the kinetics of reactions.</li> <li>To understand the basic concept of Molecular Spectroscopy</li> </ul>
Core Elective-2	Analytical Chemistry	<ul> <li>Analyze pH, conductivity, acidity, alkalinity and hardness ofwater.</li> <li>Determine the BOD and COD of water.</li> </ul>
Core Elective-2	Pharmaceutical Chemistry	<ul> <li>On the completion of the course the</li> <li>student will be able to</li> <li>Understand the importance of pharmaceutical chemistry.</li> </ul>
Core Elective-1	Industrial Chemistry	<ul> <li>On the completion of the course the</li> <li>student will be able to</li> <li>Do Basic chemical calculations</li> <li>Get Knowledge about Material balance without chemical reaction</li> </ul>
Core Elective-3	Nano Chemistry	<ul> <li>Understand the basic concept of nano chemistry</li> <li>Get knowledge about different types of nano materials</li> </ul>
Core Elective-3	Green Chemistry	<ul> <li>To introduce the basics of Green Chemistry</li> <li>To make the students familiar with the usage of green solvents and green catalysts in chemical reactions.</li> </ul>
Core Elective-3	Chromatography	<ul> <li>Understand the basic concept of Chromatography</li> <li>Get knowledge about Choice of Solvent Systems.</li> </ul>

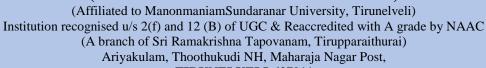








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Core Practical – 6	Gravimetric Estimation and Organic Preparations	<ul> <li>To enable the students to understand the various technique in gravy metrics taxations</li> <li>To make the students thorough in organic preparations</li> </ul>
Core Practical- 7	Physical Chemistry Experiments	To enable the students to understand the principles of physical chemistry experiments
		SEMESTERI(Commerce)
Core1	Principles of Accounting	<ul> <li>Students are able to prepare financial statement in accordance with appropriate standards.</li> <li>Students are able to prepare accounting information for planning and control for the evaluation of finance.</li> </ul>
Core2	Business Organisation	<ul> <li>Students acquire the basic idea of scope of Business.</li> <li>Students develop awareness about the concept of Business and Profession.</li> </ul>
Major	Professional English for Commerce and Management-I	<ul> <li>Students can understand the importance of reading for life.</li> <li>Students can reading dependently unfamiliar texts with comprehension.</li> </ul>
Allied1	Business Economics	<ul> <li>Students are enabled to know about the significance of Business         Economics.     </li> <li>Students can         developtheknowledgeaboutanalysisofconsumption,demand,production,s upplyandcost.     </li> </ul>
		SEMESTERII
Core3	Financial Accounting	<ul> <li>Students can understand the concept of Consignment and Joint Venture.</li> <li>Students are exposed to the concept to font riding concerns.</li> </ul>
:Core4	Principles of	Students can have a better understanding of planning and decision

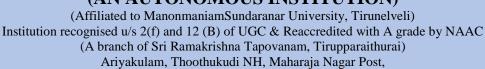








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	Management	<ul><li>making.</li><li>Students can get an idea about organization structure.</li></ul>
Allied2	Principles of Marketing	<ul> <li>Students and evelopanidea about new marketing and its diverse functions.</li> <li>Students may enhance their knowledge about the product planning and promotion.</li> </ul>
		SEMESTER III
Core5	Business Accounting	<ul> <li>able to learn the number of transactions occurred in the department account</li> <li>Able to find out the nature of expenses</li> <li>Incurred in the department account and its requirement.</li> </ul>
Core6	Business Mathematics	<ul> <li>Toprovidethestudentswithbasicknowledgeofmathematicaltechniquesinn umbersystemandequation.</li> <li>Toenablethestudentstolearnlogicalideatofindoutpracticalsolutionsforthe managerialproblems.</li> </ul>
Allied 3	Banking Technology	<ul> <li>To make the students to learn banking system.</li> <li>To enable the student know the use of Ms Office.</li> </ul>
NME	Principles of Accountancy	<ul> <li>To enable the students to prepare and provide accounting information to the interested parties.</li> <li>Toenhancethestudentswiththeknowledgeoffundamentalandtechnicalcon ceptsofaccounting.</li> </ul>
NME	Consumer Awareness	<ul> <li>To create awareness regarding the intellectual property rights and consumer protection.</li> <li>To avail the knowledge of better quality of living as consumers.</li> </ul>

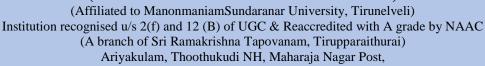








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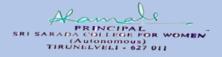


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SkillBased	Entrepreneurship Skill Development	<ul> <li>To enable the students to develop and strengthen the entrepreneurial quality.</li> <li>To make the students to know about business communication.</li> </ul>
		SEMESTERIV -
Core7	Partnership Accounting	To enable the students to understand the nature and system of accounting followed in Partnership firm.
Core8	Business Statistics	To provide the students with basic knowledge of statistical techniques a s are applicable business.
Allied 4	Human Resource Management	To make the students learn about the importance of human resource and office management.
NME	Financial Accounting	To make the students learn about the concept and role of Accounting and financial reporting in them marketing economy.
NME	Human Rights	<ul> <li>To make the students to understand the basic concepts of human rights.</li> <li>To enable the students to learn about the relationship between individual ,group and national rights</li> </ul>
Skill Based	Goods and Service Tax	To inculcate the applicability of Indirect Taxes and e-commerce in the students day today life.  -
		SEMESTERV
Core9	Corporate Accounting	To make the students to study the issue ,allotment and for feature of shares of companies.
Core10	:Cost Accounting	<ul> <li>To acquire the basic knowledge of cost in business concerns.</li> <li>To understand the technique of cost control.</li> </ul>
Core11	Business Law	To make the students to understand the definition of business law.
Core 12	Income Tax, Law and	To make the students to apply the basic concepts of income tax.

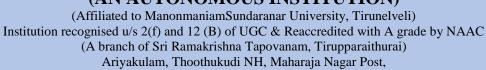








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	Practice-I	
Core13	Commerce	To enable the students apply the acquired knowledge Professional Competencies.
		SEMESTERVI
Core14	Company Accounts	<ul> <li>To know the preparation of liquid at or's final statement of accounts.</li> <li>To prepare the final accounts of banking company and Holding Company.</li> </ul>
Core15	Management Accounting	To familiarize the students with the basic management accounting concepts and their applications in managerial decision-making
Core16	Industrial Law	<ul> <li>To acquaint knowledge on industrial relations frame working our country</li> <li>To study various rights and benefits available to the work men under the legislations.</li> </ul>
Core17	Auditing	To know the importance of audit in commercial and non-commercial organizations.
Core 18	Income Tax Law and Practice-II	To impart the students of now the procedure for assessment and types of assessment.
Core 19	Application of Tally in Accounting	<ul> <li>To impart practical knowledge regarding the concepts of Financial Accounting.</li> <li>To get knowledge on accounting software.</li> </ul>
Practical I	Application of Tally in Accounting-Practical	<ul> <li>To impart practical knowledge regarding the concepts of Financial Accounting.</li> <li>To get knowledge on accounting software.</li> </ul>
		SEMESTER I B.Com (Corporate Secretaryship)
Core-1	PRINCIPLES OF ACCOUNTING	<ul> <li>After having completed this course the candidates are able</li> <li>To prepare financial statements and identify the purposes of preparing the statements.</li> <li>To ascertain the financial position of Business.</li> </ul>

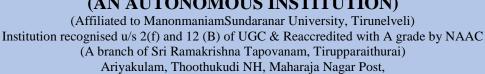








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Core -2	BUSINESS ORGANISATION	After having completed this course the candidates are able  1. To understand the main working aspects of organizations as a part of society
Core	PROFESSIONAL ENGLISH FOR COMMERCE & MANAGEMENT - I	<ul> <li>After having completed this course the candidates are able</li> <li>To understand the main working aspects of organizations as a part of society</li> </ul>
ALLIED – 1	COMPANY LAW I	<ul> <li>After having completed this course the candidates are able</li> <li>To identify the Legal duties and responsibilities of the officials of the company</li> <li>To understand the rules and regulations to establish an enterprise.</li> </ul>
Part IV	<b>Environmental Studies</b>	<ul> <li>To acquire conceptual knowledge on environment.</li> <li>To impart knowledge on safeguarding eco system.</li> <li>To make the students to know about the various Pollution.</li> </ul>
		SEMESTER II
CORE -3	FINANCIAL ACCOUNTING	<ul> <li>After having completed this course the candidates are able</li> <li>To prepare accounts for Non-Trading Concerns To describe the main elements of financial accounting information's namely, assets, liabilities, income, expenditures, profits and losses.</li> </ul>
CORE -4	PRINCIPLES OF MANAGEMENT	<ul> <li>To identify and evaluate social responsibility and ethical issues involved in Business situations.</li> <li>To practice the functions of management, namely planning, organizing, directing and controlling.</li> </ul>
ALLIED-II	COMPANY LAW II	<ul> <li>After having completed this course the candidates are able</li> <li>To deal with Securities Market.</li> <li>To identify the cost-effective investment methods.</li> </ul>

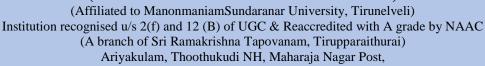








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Common – Part -	Value Based Education	Toenablethestudentstounderstandthesocialrealitiesandtoinculcateane
IV		ssentialvalue system towards building a health society.
		SEMESTER III
: CORE -5	BUSINESS	To know the system of Accounting followed in Branches and
	ACCOUNTING	Departments of business organization.  • To know the pattern of recording transactions in Hire Purchase and Installment Purchase systems.
CORE - 6	BUSINESS MATHEMATICS	To provide basic knowledge of mathematical techniques applicable to business.
	MATHEMATICS	<ul> <li>To provide logical idea to find out practical solution for the managerial problems.</li> </ul>
Skill based I	MODERN BANKING	To create an idea of modern banking
		<ul> <li>To familiarize the students with the banking activities</li> <li>To familiarize the students with the knowledge of the traditional banking system.</li> </ul>
44 4 45 5 44 4 5 5 4 5 5 5 5 5 5 5 5 5	COMPANY	
ALLIED III	COMPANY SECRETARIAL PRACTICE AND CAREER ACTUALIZATION	<ul> <li>To gain the knowledge of the secretarial practice in various areas.</li> <li>To understand the conduct of meetings and winding up procedures.</li> </ul>
NON- MAJOR	PRINCIPLES OF	To acquire knowledge on functions of marketing.
ELECTIVE -I	MARKETING	To have awareness on pricing, promotion and personal selling.
NON- MAJOR ELECTIVE –I	CONSUMER AWARENESS	To create awareness regarding the intellectual property rights and consumer protection.
ELECTIVE -I	AWARENESS	To avail the knowledge of better quality of living as consumers.
		SEMESTER IV

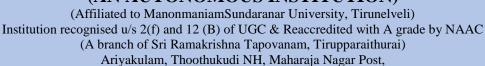








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CORE –7	PARTNERSHIP ACCOUNTING	To enable the students to understand the nature and system of accounting followed in Partnership firm.
CORE – 8	BUSINESS STATISTICS	<ul> <li>To provide the students with basic knowledge of statistical technique as are applicable to business.</li> <li>To enable the students to apply statistical techniques for quantification of data in business.</li> </ul>
Skill based II	CAPITAL MARKET AND CORPORATE FINANCE	<ul> <li>To understand the meaning and importance of Financial and Capital markets.</li> <li>To create an interest among students towards stock market investment.</li> <li>To obtain knowledge on Securities analysis.</li> </ul>
Allied - IV	DYNAMICS OF ENTREPRENEURSH IP DEVELOPMENT	<ul> <li>To develop and strengthen the entrepreneurial quality among the students</li> <li>To know the sources of help and support available for starting a small-scale Industry.</li> <li>To obtain knowledge about starting new business.</li> </ul>
NON – MAJOR ELECTIVE -II	HUMAN RIGHTS	<ul> <li>Be aware of human rights.</li> <li>Understand the rights and characteristics of human rights.</li> </ul>
NON – MAJOR ELECTIVE - II	ENTREPRENEURSH IP DEVELOPMENT	<ul> <li>The students can be familiar with,</li> <li>The factors of entrepreneurial development.</li> <li>The types of Entrepreneurship</li> </ul>
		SEMESTER V
CORE – 9	CORPORATE ACCOUNTING	To make the students to study the issue, allotment and forfeiture of shares of companies.
CORE – 10	COST	To acquire the basic knowledge of cost in business concerns.

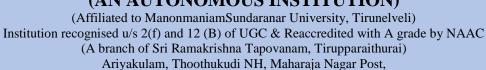








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	ACCOUNTING	To understand the techniques of cost control.
: CORE -11	BUSINESS LAW	<ul> <li>To make the students to understand the definition of business law.</li> <li>To enable the students to study the scope and boundaries of business law.</li> </ul>
: CORE – 12	INCOME TAX LAW & PRACTICE I	<ul> <li>The student can</li> <li>be able to understand the basic concepts of capital and revenue expenditures and incomes</li> <li>be able to know about the taxable entities in detail</li> </ul>
: Core -13	COMMERCE FOR COMPETITIVE EXAMINATIONS & PROJECT	<ul> <li>The students can</li> <li>be able to understand the basic concepts of capital and revenue expenditures and incomes</li> </ul>
Core -13	PROJECT	To make the students to study the issue, allotment and forfeiture of shares of companies.
Skill B ased I Common	PERSONALITY DEVELOPMENT	To know the preparation of liquidator's final statement of accounts.
		SEMESTER VI
Core - 14	COMPANY ACCOUNTS	<ul> <li>To prepare the final accounts of banking company and Holding Company.</li> <li>To train the students to prepare final accounts under double account system and Human Resource Accounting.</li> </ul>
: Core - 15	MANAGEMENT ACCOUNTING	<ul> <li>The students can</li> <li>understand fundamentals of Management accounting Principles.</li> <li>know about Management accounting and Financial accounting.</li> </ul>
Core – 16	INDUSTRIAL LAW	The students can ,

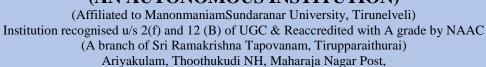








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		<ul> <li>Be aware of The Factories Act.</li> <li>Gain an idea on approval, licensing and registration of factories.</li> </ul>
Core - 17	AUDITING	<ul> <li>The students can understand,</li> <li>The concept of auditing.</li> <li>The process of audit program me and audit working papers.</li> </ul>
Core - 18	INCOME TAX LAW & PRACTICE II	<ul> <li>To impart the students to know the procedure for assessment and types of assessment.</li> <li>To enable the students to understand the computation of tax liability of individuals</li> </ul>
Core -19	APPLICATION OF TALLY IN ACCOUNTING	<ul> <li>To impart practical knowledge regarding the concepts of Financial Accounting.</li> <li>To get knowledge on accounting software.</li> </ul>
Core -21	APPLICATION OF TALLY IN ACCOUNTING - PRACTICAL	To impart practical knowledge regarding the concepts of Financial Accounting.
		Semester I(PG)
: Core - 1	MANAGEMENT ACCOUNTING	<ul> <li>After having completed this course the candidates are able</li> <li>To analyze the relationship between Cost, Volume &amp; Profit analysis.</li> <li>To prepare functional and operating budgets.</li> </ul>
Core – 2	ADVANCED BUSINESS STATISTICS	<ul> <li>After having completed this course the candidates are able</li> <li>To communicate quantitative data</li> <li>To create quantitative models to solve problems.</li> </ul>
Core- 3	MANAGEMENT CONCEPTS AND ORGANISATIONAL BEHAVIOUR	<ul> <li>After having completed this course the candidates are able</li> <li>To analyze the behavior of individuals and groups in organizations in terms of organizational behavior models</li> </ul>
Core - 4	MANAGEMENT INFORMATION SYSTEM	<ul> <li>After having completed this course the candidates are able</li> <li>To perform the managerial decision making.</li> <li>To impart practical knowledge in handling computers.</li> </ul>

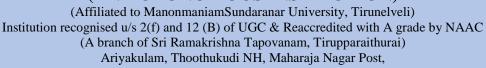








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Core - 5	MODERN MARKETING MANAGEMENT	<ul> <li>After having completed this course the candidates are able</li> <li>To formulate a marketing plan like marketing objectives, marketing mix, marketing strategies etc.</li> <li>To inscribe a business plan for an entrepreneurial start up venture.</li> </ul> SEMESTER II
Core - 6	: FINANCIAL MANAGEMENT	<ul> <li>After having completed this course the candidates are able</li> <li>To understand the overall importance of finance functions and management functions.</li> <li>To give advice to the management regarding expansion of business.</li> </ul>
Core - 7	CORPORATE LEGAL FRAMEWORK	<ul> <li>After having completed this course the candidates are able. To acquire practical knowledge of Business and Commercial Law.</li> <li>To understand the legal environment of Business.</li> </ul>
Major - 8	OPERATIONS RESEARCH	<ul> <li>To solve the large scale integer programming problems.</li> <li>To identify the optimal operational research models.</li> </ul>
: Major - 9	BUSINESS ENVIRONMENT	<ul> <li>After having completed this course the candidates are able</li> <li>To understand the government policy and its impact on business environment.</li> <li>To identify and apply regularities in Insurance Industry.</li> </ul>
Core - 10	RETAIL MANAGEMENT	<ul> <li>After having completed this course the candidates are able</li> <li>To analyze the performance of Retail Industry.</li> <li>To identify the design, implementation and assessment of retailing strategies.</li> </ul>
		SEMESTER III
Core - 11	ADVANCED CORPORATE ACCOUNTING	<ul> <li>The students can understand,</li> <li>Understand the factors affecting valuation of goodwill.</li> </ul>
Core - 12	TAXATION AND TAX PLANNING	<ul> <li>The students can ,</li> <li>Understand the basic concept of Income Tax</li> <li>Understand canons of taxation.</li> </ul>

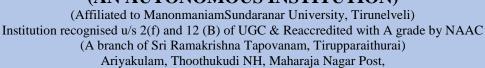








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Core – 13	RESEARCH METHODOLOGY	<ul> <li>To make the students to plan and understand the research.</li> <li>To make the students to understand various research design, sampling design and techniques</li> </ul>
Core - 14	SECURITY ANALYSIS AND PORT FOLIO MANAGEMENT	<ul> <li>The students can,</li> <li>Be aware of meaning and importance of investment.</li> <li>Gain knowledge on investment attributes.</li> </ul>
Core -15	STRATEGIC MANAGEMENT	<ul> <li>The students can,</li> <li>Know the meaning of corporate strategic planning.</li> <li>Identify the vision and mission of the firm.</li> </ul>
		SEMESTER IV
Core - 16	ADVANCED COST ACCOUNTING	<ul> <li>The students can,</li> <li>Prepare cost sheet.</li> <li>Identify the need for quantity level of material in business.</li> </ul>
Core -17	COMPUTERIZED ACCOUNTING PACKAGES- TALLY ERP 9	<ul> <li>The students can,</li> <li>Identify the new features of Tally9.0.</li> <li>Acquire the practical knowledge on Tally ERP9.</li> </ul>
Practical 1	COMPUTERIZED ACCOUNTING PACKAGES- TALLY ERP 9	<ul> <li>Identify the new features of Tally9.0.</li> <li>Acquire the practical knowledge on Tally ERP9.</li> </ul>
Core -18	HUMAN RESOURCE MANAGEMENT	<ul> <li>The students can,</li> <li>Identify the functions of human resource manager.</li> <li>Be aware of the strategic human resource management.</li> </ul>
Core -19	FINANCIAL SERVICES	<ul> <li>The students can,</li> <li>Understand the meaning of financial services.</li> <li>Know the players in the financial market.</li> </ul>
Core -20	PROJECT	<ul> <li>Identify the functions of human resource manager.</li> <li>Be aware of the strategic human resource management.</li> </ul>

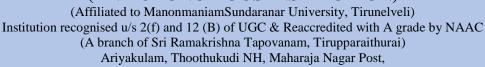








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		SEMESTER I B.Sc., Computer Science
Core 1	Programming in C	The students can  1. Learn to compile, and execute Java programs, basic data types and control flow constructs.
core 1	Professional English for Physical sciences I	<ul> <li>To develop the language skills of students by offering adequate practice in professional contexts.</li> <li>To enhance the lexical, grammatical and socio-linguistic and communicative competence of first year physical sciences students</li> </ul>
Allied-I	Digital Design and Hardware Components	<ul> <li>The students can</li> <li>Learn Boolean algebra</li> <li>Know arithmetic operations</li> </ul>
Core Practical 1	Programming in C Practicals	<ul> <li>To develop skills in developing algorithms through B.Sc. programming language C.</li> <li>To explore the features of C by applying sample programs.</li> </ul>
Allied Practical – 1	Computer Basics Practicals	To develop skills in office automation by applying sample programs.
		SEMESTER II
Core Paper- 2	Object Oriented Programming using C++	<ul> <li>To impart adequate knowledge on the need problem solving techniques.</li> <li>To develop programs using like control statements, Arrays and Strings.</li> <li>To understand about the dynamic memory allocation using pointers.</li> </ul>
: Allied 2	Fundamentals of Mathematics	To apply basic concepts for clear understanding of mathematical principles. To solve practical problems.
Core Practical 2	C++ Programming Practicals	<ul> <li>To gain knowledge about the Object Oriented Programming Concepts and C++ streams, inheritance, overloading of operators, functions, constructors, file handling and templates concept of C++ programming by implementing sample programs.</li> </ul>
Allied Practical 2	Open Source Practicals	To understand the features of Linux utilities     and shell scripting language.
Core 3	Core Java	<ul> <li>After having learnt this unit, The students can</li> <li>understand the Data types and how to declare variables and to create arrays.</li> </ul>

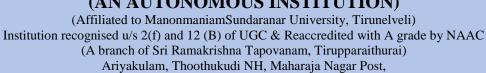








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		SEMESTER III
Core 4	Fundamentals of Computer Architecture	<ul> <li>To gain knowledge about the architecture of computer</li> <li>To understand the concepts of CPU, ALU Design, I/O Instruction format and different processors.</li> </ul>
Skill Based Core theory	Internet Programming	<ul> <li>The students can</li> <li>Explain how the client-server model of Internet programming works.</li> <li>compare the advantages and disadvantages of the core Internet protocols.</li> </ul>
: Allied 3	Data Structures	<ul> <li>The students can</li> <li>develop knowledge of Basic data Structures for Storage and retrieval of Ordered/Unordered data.</li> </ul>
NME	Fundamentals of Programming Design and Internet	<ul> <li>The student can:</li> <li>realize the use of computer programs.</li> <li>Demonstrate the problem solving skills by developing algorithms to solve in a computer program.</li> </ul>
NME	Programming in C	<ul> <li>understand the concept of computer programming language.</li> <li>define data types and use them in simple data processing applications.</li> </ul>
Core Practical 3	Java Programming Practicals	<ul> <li>understand the concept of computer programming language.</li> <li>define data types and use them in simple data processing applications.</li> </ul>
Allied Practical 3	: Data Structure Practicals	develop knowledge of Basic data Structures for Storage and retrieval of Ordered/Unordered data.
		SEMESTER IV
Core 6	Visual Basic	<ul> <li>The students can</li> <li>code programs and develop application variables using Visual basic</li> </ul>
Core – 6	Operating System	<ul> <li>Students can</li> <li>Understand the different services of Operating system</li> </ul>
Core 7	Programming with PHP	<ul> <li>The students can</li> <li>understand the features of PHP</li> <li>manipulate and compare variables.</li> </ul>

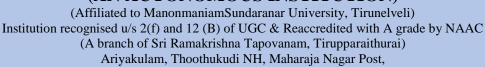








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Skill based theory	Information Security	<ul> <li>The students can</li> <li>understand the basics of information Security and its breaches</li> <li>identify the critical information and the extent it should be secured</li> </ul>
NME	: Fundamentals of Computer	<ul> <li>The students can</li> <li>have a basic understanding of personal computers and their operations.</li> </ul>
NME	: HTML	<ul> <li>The students can</li> <li>define HTML and common terminology related to HTML.</li> </ul>
Core Practical 4	Visual Basic Practicals	<ul> <li>The students can</li> <li>have a basic understanding of personal computers and their operations.</li> </ul>
Allied Practicals 4	Programming with PHP Practicals	<ul> <li>understand the features of PHP</li> <li>manipulate and compare variables.</li> </ul>
: Common	Digital Learning Tools	<ul> <li>Develop deeper insights into the dynamics of E -content creation</li> <li>Produce a E -module on some concept on their discipline</li> </ul>
		SEMESTER V
Core 9	Software Engineering	<ul> <li>The students can</li> <li>define various software application domains and remember different process model used in software development.</li> </ul>
Core Paper -10	Relational Database Management System	<ul> <li>The students can</li> <li>identify the importance of the DBMS over file handling system.</li> <li>understand different views on the DBMS.</li> </ul>
Core 11	ASP.NET Programming	<ul> <li>The students can</li> <li>understand .NET Framework and Common Language Runtime (CLR) acquire knowledge about C# and Dot Net languages</li> </ul>
: Core Elective- 1	Cloud Computing	<ul> <li>The students can</li> <li>Articulate the History, characteristics,</li> <li>advantages, and Disadvantages of cloud</li> <li>Computing.</li> </ul>

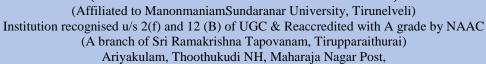








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		define various software application domains and remember different process model used in software development.  The student seems.
: Elective 1	: Mobile Computing	<ul> <li>The students can</li> <li>identify the Components of a wireless Communication System</li> <li>explain the principles and theories of mobile computing technologies</li> </ul>
		SEMESTER VI
Core Practical 7	RDBMS Practicals	<ul> <li>The students can</li> <li>define various software application domains and remember different process model used in software development.</li> </ul>
Core Project 1	Computer Science for Competitive Examination and Project	<ul> <li>The students can</li> <li>have a basic understanding of personal computers and their operations.</li> </ul>
Core	Microprocessor	<ul> <li>The Students can</li> <li>Describe architecture of a microprocessor system</li> <li>Understand and classify instruction of 8085 microprocessor</li> </ul>
Core 13	Data communication and Networks	<ul> <li>The students can</li> <li>know the basic steps of network.</li> <li>establish transmission channel.</li> </ul>
Core 14	Data Mining	<ul> <li>The students can</li> <li>demonstrate an understanding of the importance of data mining.</li> <li>effectively identify the sources of data and process it for data mining</li> </ul>
Core 15	Computer Graphics and Visualization	<ul> <li>To develop skills and knowledge about computer graphics and Visualization</li> <li>To understand 2D &amp; 3D Transformations</li> </ul>
Elective 2	Software Testing	<ul> <li>The students can</li> <li>understand the psychology of testing.</li> <li>define the economics of testing.</li> </ul>
Core Elective- 2	Internet of Things	<ul> <li>To gain knowledge about the fundamentals of Internet of Things.</li> <li>To get insight of real life applications .</li> </ul>

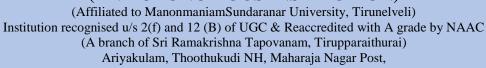








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		To learn about the M2M concepts.
Elective 2	Cryptography and Network Security	To understand the fundamentals of cryptography and its applications.
Core Practical 6	Graphics and Multimedia Practicals	<ul> <li>To gain knowledge about the fundamentals of Internet of Things.</li> <li>To get insight of real life applications .</li> </ul>
Core Practicals 5	ASP.NET Practicals	To gain knowledge about the fundamentals of Internet of Things.  1. To get insight of real life applications.
		SEMESTER I(PG)
Core 1	Design and Analysis of	To solve problems using the concepts of algorithms
	Algorithm	To understand the network structures thro B.Sc.,h trees and graphs.
Core 2	Advanced Java	The students can
	Programming	learn how to implement object oriented design with Java
		design a program standalone Java application.
		acoign a program sumonon ou a approunton
Core 3	: Mathematical	To apply basic concepts for clear understanding of mathematical logic,
	Foundations for Computer Science	set theory, matrices, graph theory and to solve practical problems
Core 4	Object Oriented	The students can
	Systems Development	know the methodology development
		respond with the messages
		describe results of the project
Core 5	Distributed	The students can
	Computing	gain the knowledge about Distributed Computing System
		know about issues in designing a distributed computing system
		understand the basics of network technologies.
Core Practical 1	Algorithm Practicals using C++	To understand the basis of algorithmic concepts and to implement them.
Core Practical 2	Advanced Java Practicals	To explore the benefits of language concepts using Java.
		SEMESTER -II
Core 6	Advanced Database	The students can
	Management System	understand basic concept of relational data model.

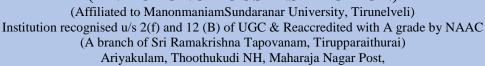








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		describe the fundamental elements of RDBMS.
Core 7	: Android	The students can
	programming	learn about some of android development basics.
		gain the knowledge of hardware and software tools.
		č
Core 8	<b>Security in Computing</b>	The students can
		<ul> <li>learn about the cryptography techniques.</li> </ul>
		able to Analyse the types of ciphers.
		understand about terminology in cryptography
Core 9	Web Application	To understand the basic structure of .Net and to implement the query
	Development	string, cookies, controls.
		To store the data's in MS Access.
Elective 1	: Data Mining and	The students can
	Warehousing	understand the concept of Data Mining and Data warehouse.
		• understand patterns, correlation, market and competition trends .
Elective 1	Multimedia System	The students can
		<ul> <li>understand the technical aspect of multimedia systems.</li> </ul>
		develop various multimedia systems applicable in real time.
Elective 1	<b>Cloud Computing</b>	The Students can
	concept and technology	• implement service with a quality control from project imitation to protection.
		manage workloads by radically transforming traditional computing to
		make it more scalable.
Core Practical 3	: Android Practicals	To understand concepts of Android Programming.
		To develop android application.
Core Practical 4	Web Application	To understand concepts of Android Programming.
	Practicals	To develop android application.
~		SEMESTER III
Core 10	Digital Image	To understand basic concepts of image processing
	Processing	To use built-in image processing functions in MATLAB and
		implement various operations on images

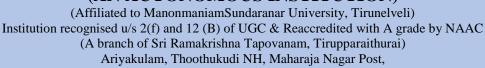








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Core 11	Research Methodology	<ul> <li>Get a view of how to choose research problem</li> <li>Able to design the research and explore the features of data collection, data preparation and aware about report writing</li> </ul>
Core 12	Compiler Design	<ul> <li>The Student can</li> <li>understand the Structure of a compiler 2.describe the design of a compiler including its phases and components</li> </ul>
Core 13	Soft Computing	<ul> <li>The Student can</li> <li>understand the basic concepts of neural networks.</li> <li>identify the parameters required for ANN.</li> </ul>
Elective 2	Data Science and Data analytics	<ul> <li>The Student can</li> <li>understand the concept of data science.</li> <li>know flow of a data science process.</li> </ul>
Elective 2	Artificial Neural Networks	<ul> <li>The Student can</li> <li>describe the structure and function of the artificial neural network</li> </ul>
Elective 2	Xml and Web services	<ul> <li>The Students can</li> <li>able to understand the components of XML systems.</li> <li>analyze the importance and rules of XML structure and its processing.</li> </ul>
Core Practical 5	MATLAB	To use built-in image processing functions in MATLAB and implement various operations on images
Core Project 1	Project 1	<ul> <li>understand the concept of data science.</li> <li>know flow of a data science process.</li> </ul>
		SEMESTER-IV
Core Project 2	Project 2	<ul> <li>understand the concept of data science.</li> <li>know flow of a data science process.</li> </ul>
		SEMESTER I(M.Phil,)
Core	Research And Teaching Methodology	<ul> <li>Explain the importance of the research methodology</li> <li>Select and apply different research approaches and methodologies</li> </ul>

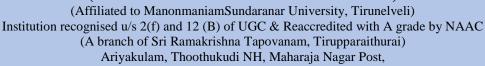








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Core	Recent Research Topics In Computing	<ul> <li>Provides a basic exposition to the goals and methods of Soft Computing and Cloud Computing</li> <li>Explains a brief knowledge about mobile computing</li> <li>Explain principles of Network Security</li> </ul>
Elective	Internet of Things	<ul> <li>Explains the basic components of IOT.</li> <li>Able to develop web services to access/control IoT devices.</li> <li>Design a portable IoT using RasperryPi</li> </ul>
Elective	Advanced Digital Image Processing	<ul> <li>Able to apply image processing techniques in both the spatial and frequency domains.</li> <li>Design image analysis techniques in the form of image segmentation and to evaluate the methodologies for segmentation.</li> </ul>
Elective	Data Mining And Warehousing	<ul> <li>Interpret the contribution of data         warehousing and data mining to the         decision-support level of organizations</li> <li>Evaluate different models used for OLAP and data pre-processing</li> </ul>
Elective	Machine Learning	<ul> <li>Describe the various machine learning concepts and models</li> <li>Familiarization of Neural Networks Applications</li> </ul>
Elective	Cloud Computing	<ul> <li>Understanding the key dimensions of the challenges of cloud computing</li> <li>Assessment of the economics, financial and technological implications for selecting cloud computing for own organizations</li> </ul>
		SEMESTER I Information Technology
Core – 1	Programming in C	<ul> <li>The students can</li> <li>Learn to compile, and execute Java programs, basic data types and control flow constructs.</li> </ul>
Core	Professional English for Physical Sciences – I	<ul> <li>Recognize their own ability to improve their own competence in using the language</li> <li>Use language for speaking with confidence in an intelligible and</li> </ul>

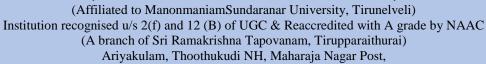








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		acceptable manner
		Understand the importance of reading for life
Allied-1	Digital Design and	To do digital building blocks (such as memory chips, arithmetic circuits)
	Hardware Components	etc.)
		To interface with processors and computers
		To understand basics knowledge about digital ICs and digital systems.
Core Practical -1	Programming in C	To make the student learn a programming language.
	Practicals	To learn problem solving techniques.
Allied Practical -1	Office Automation Practicals	To familiarize the students in preparation of documents and excel sheet w automation tools.
		To impact the knowledge and usage of various Microsoft tools such as W
		Excel, Power point and Access.
		SEMESTER II
Core - 2	Object Oriented	The students can
Core 2	Programming Using	Learn to compile, and execute C++ programs
	C++	Understand the object oriented class structures with parameters,
		constructors, utility and calculations methods.
Allied - 2	Fundamentals of E-	Students can
	Commerce	Understand the nature and current trends in E-commerce.
		Recognize the business impact and potential of E-commerce.
		• Understand the importance of advertising and marketing in the field of E-commerce.
Core Practical -2	Object Oriented	To practice the fundamental programming methodologies in the C++
	Programming Using Practicals	programming language.
	Practicals	To code, document, test, and implement a well-structured, robust     computer program using the C++ programming language.
		computer program using the C++ programming language.
Allied Practical -2	Shell Programming	To understand the basic set of commands and utilities in Linux systems.
	Practicals	To learn the important Linux library functions and system calls.
		SEMESTER III
Core -3	Information Technology And HTML	• Students can
	Allu III WIL	Know the basic knowledge of IT industry

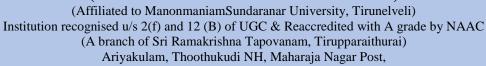








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		Learn about input and output devices
		Understand the hierarchy of Memory system
Core -4	Data Structures	The Students can
		Understand the basic data structures.
		Understand the basic search and sort algorithms.
Allied – 3	Management	Students can
	Information System	Understand and apply strategic planning in different functional areas of
		management
		Analyze different characteristics of MIS
SB Practical -1	DeskTop Publishing	To Identify desktop publishing terminology and concepts.
	Practicals	To Manipulate text and graphics to create a balanced and focused
		layout.
		To Create flyers, brochures, and multiple page documents.
		To Cleate Tryers, brochures, and multiple page documents.
Non-Major	Essentials of	Students can
Elective	Information Technology	Know about the role of Information Technology in industry
Non-Major	Desk Top Publishing	To Identify desktop publishing terminology and concepts.
Elective	and Multimedia	To Manipulate text and graphics to create a balanced and focused
		layout.
Core Practical -3	Data Structure Practicals	To design and analyses the time and space efficiency of the data
		structure.
		To identity the appropriate data structure for given problem.
		To have practical knowledge on the applications of data structures.
: Allied Practical -	HTML Practicals	To create a webpage using all input controls.
3		To design a webpage with hyperlink.
		To design a webpage with frames, table and list etc
		SEMESTER IV

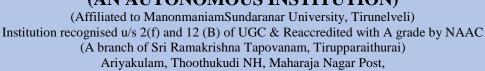








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Core-5	Java Programming	<ul> <li>Students can</li> <li>Illustrate basic programming concepts such as program flow and syntax of a high-level general language.</li> </ul>
Core Paper-6	Operating System	<ul> <li>To master structures and functions of operating systems.</li> <li>To understand the concept of scheduling.</li> </ul>
Allied-4	Operations Research and Numerical Analysis	<ul> <li>Students can</li> <li>Solve the problem using North West Corner's rule</li> <li>Solve the Problem using Matrix minima method</li> </ul>
SB Practical-2	Animation Practicals	<ul> <li>Students can</li> <li>Learn about how to draw a flowchart for simple mathematical problem</li> <li>Learn about of how the flowchart is computed</li> </ul>
Non-Major Elective	Basic Programming Design	<ul> <li>Students can</li> <li>Acquire the basic knowledge about problem solving steps</li> <li>Understand about program writing and debugging</li> </ul>
: Non-Major Elective	Web Graphic Design	Student can Learn animation frame by frame Understand the key frames and Timeline.
Core Practical - 4	Java Programming Practicals	<ul> <li>To understand how to use Java APIs for program development.</li> <li>To learn how to extend Java classes with inheritance and dynamic binding.</li> <li>To learn how to use exception handling in Java applications.</li> </ul>
: Allied Practical- 4	Android Programming Practical	<ul> <li>Design and develop user interface for the Android platform.</li> <li>Save state information across important operating system events.</li> <li>To demonstrate the skills of using Android software development tools.</li> </ul>
Common	Digital Learning Tools	<ul> <li>Understand the need and significance of E-Content in the context of Digital Learning Initiative.</li> <li>Develop deeper insights into the dynamics of E-content creation</li> <li>Produce an e-Module on some concept in their discipline.</li> </ul> SEMESTER V

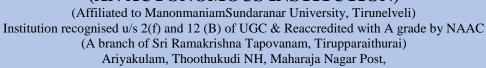








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C D 7	C-G Einin-	
Core Paper- 7	Software Engineering	• The students can
		Acquire strong knowledge in developing software process.  Cot the law and also a few process and also a few process.
		Get the knowledge of software development process models.
Core Paper -8	Relational Database	The students can
	Management System	<ul> <li>identify the importance of the DBMS over file handling system.</li> </ul>
		<ul> <li>understand different views on the DBMS.</li> </ul>
Core - 9	Wireless Application	Students can
	Protocol	<ul> <li>Analyze the contribution of Wireless Communication networks to overall technological growth</li> </ul>
		<ul> <li>Account the architecture of WAP and its transaction.</li> </ul>
		<ul> <li>Understand and apply Wireless Application Protocol used for wireless and mobile access using different transport systems.</li> </ul>
Core Elective -1	Cloud Computing	Student can
		Able to understand Cloud Computing
		Memorize the different Cloud Service and deployment models
Core Elective- 1	Computer Graphics	Students can
		• Understand the basics of computer graphics, different graphics systems
		and applications of computer graphics
Core Elective-1	Internet Security	Students can
		Depict security issues in Internet
		<ul> <li>Protect any network from the threats in the world</li> </ul>
		Familiarize with Security Plan in Internet
: Core Practical-5	Relational Database	To have a broad understanding of database concepts and database
	Management System Practicals	<ul> <li>management system software</li> <li>To write SQL commands to create tables and indexes,</li> </ul>
	Tacticals	To write SQL commands to create tables and indexes, insert/update/delete data, and query data in a relational DBMS.
Core Project	Information Technology	Allow students to utilizes problem solving skills
	for Competitive	To provide detailed knowledge about core subjects
	Examinations & Project	
		SEMESTER VI

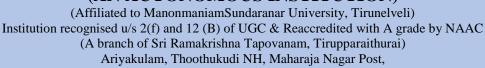








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: Core-10	Data Communications and Networking	<ul> <li>Students can</li> <li>Understand the rudiments of how computers communicate</li> <li>Account the architecture of a number of different networks</li> </ul>
Core -11	Web Programming using PHP	<ul> <li>Students can</li> <li>Learn about basics of Internet and web browsers</li> <li>Know about Different types of websites according to creator's need</li> </ul>
Core-12	NET Programming	<ul> <li>Students can</li> <li>Set up a programming environment for ASP.net programs.</li> <li>Configure an asp.net application</li> </ul>
: Core -13	Machine Learning using Python	<ul> <li>Students can</li> <li>Recognize the characteristics of machine learning that make it useful to real-world problems.</li> </ul>
Core Elective -2	Enterprise Resource Planning	<ul> <li>Students can</li> <li>Understand the basic concepts of ERP</li> <li>Discuss the benefits of ERP</li> <li>Acquire the knowledge of supply chain management</li> </ul>
Core Elective- 2	Internet of Things	<ul> <li>The students can</li> <li>Apply the working, characteristics and limitations of IoT.</li> <li>Understand the impact of technologies.</li> <li>Know the concept and the designs.</li> </ul>
Elective -2	Cryptography and Network Security	<ul> <li>The students can</li> <li>know the concepts of X.800security architecture of OSI</li> <li>understand the types of Security threats and attacks.</li> </ul>
Core Practical-6	Python Programming Practicals	<ul> <li>To acquire programming skills in core Python.</li> <li>To acquire Object Oriented Skills in Python</li> <li>To develop the skill of designing Graphical user Interfaces in Python</li> </ul>
Core Practical -7	Web Programming using PHP Practicals	<ul> <li>To develop basic programming skills using Client Side and Server Side Scripting</li> <li>To provide students with a deep, critical and systematic understanding</li> </ul>

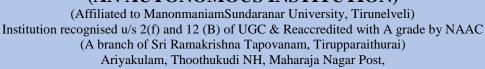








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	of most significant technologies for developing web applications





