



Sri Sarada College for Women

(An Autonomous Institution)

(Reaccredited with “A” grade by NAAC)

Institution included u/s 2(f) and 12(B) of UGC

Affiliated to Manonmaniam Sundaranar University

(A branch of Sri Ramakrishna Tapovanam, Tirupparaithurai)

Ariyakulam, Tirunelveli Thoothukudi –High Road, Maharaja Nagar Post,

TIRUNELVELI- 627 011.



CRITERION VI

6.2 Strategy Development and Deployment

6.2.1 One activity/practice successfully implemented based on the institution's strategic plan (P3 and P5)

(2022-2023)



SRI SARADA COLLEGE FOR WOMEN (AN AUTONOMOUS INSTITUTION)

(Affiliated to Manonmaniam Sundaranar 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, Tirupparaithurai)
Ariyakulam, Thoothukudi NH, Maharaja Nagar Post,
TIRUNELVELI-627011



E-mail: srisaradatvl@gmail.com Website: www.srisaradacollege.org

6.2.1 One activity/practice successfully implemented based on the institution's strategic plan (P3 and P5)

DEPARTMENT OF ECONOMICS

Staff Presentation/ Publication in the Conference Proceedings

Date	Title of the Conference/ Seminar	Organized by@ venue	Details of Participants	Title of the Paper with Proceedings ISBNNo.
21.10.2022	One Day International Conference on Impact of Environmental Pollution	Wavoo Wajeeha Womens College of Arts and Science, Kayalpatinam-628204.	Dr.T.Kalavathi	Health Impact of Environmental Pollution ISBN No :978-93-5577-299-2
			T.MirunaDevi	A Study on E-Waste Management in India ISBN No :978-93-5577-299-2
			A.Shunmugapriya	A Study on Urbanization and Environmental Threats in India ISBN No : 978-93-5577-299-2

Student Presentation/ Publication in Conference Proceedings

Date	Title of the Conference/ Seminar	Organized by @venue	Details of Participants	Title of the Paper with Proceedings ISBNNo.
21.10.2022	International Conference on Impact of Environmental Pollution	Wavoo Wajeeha Womens College of Arts and Science, Kayalpatinam - 628204.	III BA Economics R.Indhumathi Thevar & V.Aruna	Impact of Environmental Pollution On Human Health ISBN No :978-93-5577-299-2
			III BA Economics P.Bhuvaneshwari & P.Jothisumathi	Contemporary Issues of Pollution. ISBN No :978-93-5577-299-2
			Gayathri Venkat & E. Vijaylakshmi	Impact of Environmental Pollution On Human Health. ISBN No : 978-93-5577-299-2



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DEPARTMENT OF MATHEMATICS

Staff Presentation / Publication in the Conference Proceedings

Date	Title of the Conference/Seminar	Organized by	Details of Participants	Title of the Paper with Proceedings ISBN No.
01.09.2022 & 02.09.2022	Third International Conference on Applied Mathematics and Intellectual Property Rights	PG & Research Department of Mathematics, A.P.C. Mahalaxmi College for Women, Thoothukudi.	A.Shunmugapriya	1.Gaussian Twin Neighborhood Prime Labeling on Wheel Digraphs 2.Total Dominator Colouring and Total Global Dominator Colouring in Zero-Divisor Graphs, ISBN No :9789394293151
22.11.2022 & 24.11.2022	International Conference on Multidisciplinary Research 2022	Sharnbasva University, Kalaburagi-585 103.	B.Revathy	Common fixed point theorem for compatible mappings of Type (K) in L-Fuzzy MetricSpace
03.01.2023 & 07.01.2023	108 th Indian Science Congress Association	Rashtrasant Tukadoji Maharaj Nagpur University, Nagpur, Maharashtra-700017.	T.S.Dhivya K.Ramalakshmi	Drones for Harvesting in the Flood prone Agricultural field
18.01.2023	National Seminar on Recent Trends in Algebra and Analysis	PG Department of Mathematics, Aditanar College for Arts and Science, Tiruchendur	S.Gomathi Radha K.Ramalakshmi	Total Restrained Steiner Domination Number of Graphs



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Student Presentation / Publication in the Conference Proceedings

Date	Title of the Conference/Seminar	Organized by @Venue	Details of Participants	Title of the Paper with Proceedings ISBN No.
21.10.2022	National Conference on "Innovations in Science, Engineering and Technology"	Jayaraj Annapackiam CSI College of Engineering, Margoschis Nagar, Nazareth-628617	I M.Sc., S.Ayshwarya Dhanalakshmi	Network Computation by Using Critical Path Method. ISBN No :978-93-94293-01-4
			I M.Sc., T.S.Dhivya	Impact of Covid-19 Pandemic on Daily affect And parenting With Psychological Aspects In Graphs ISBN No:978-93-94293-01-4
			I M.Sc., S.Ayshwarya Dhanalakshmi T.S.Dhivya	Awareness of College Students about Library. ISBN No:978-93-94293-01-4
21.10.22	National conference on "Innovation in science Engineering & Technology" NCISSET-2022	Jayaram Annapackiam CSI College of Engineering, Nazareth-628617.	III B.Sc., S. Vaishnavi	The Graphical Representation- Blood Circulation In Maternal Women and Single fetus. ISBN No:978-93-94293-01-4 Pg:197-200
			III B.Sc., S. Keerthana P. Mahalakshmi G. Sivagomathi	Encoding and Decoding Using Mathematics Symbols and Graphical Representation. ISBN No:978-93-94293-01-4, Pg:190-196



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03.01.2023 to 07.01.2023	108 th Indian Science Congress Association	Rashtresant Tukadoji Maharaj Nagpur University, Nagpur, Maharashtra- 700017.	IM.Sc., T.S.Dhivya	Drones for Harvesting in the flood prone Agricultural field
18.01.2023	National Seminar on "Recent trends in Algebra and Analysis" (RTAA'23)	PG & Research Department of Mathematics, Aditanar College of Arts and Science, Tiruchendur.	II M.Sc., S.Gomathi Radha	Total Restrained Steiner Domination Number of Graphs
			I M.Sc., R.Krishnaveni	Applications of Mathematics and Artificial intelligence in Lung Cancer Diagnosis
17.02.2023	International Level Symposium on Role of Social Workers,	Sri Sarada College for Women (Autonomous), Tirunelveli-627011.	I M.Sc., R.Krishnaveni	Role of small industries towards



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TIRUNELVELI-627011

E-mail: srisaradatvl@gmail.com Website: www.srisaradacollege.org



Staff Presentation /Publication in the Journal

Name of the Journal	Name of the Author/Coauthors	Title of the Paper	Issue No. /Volume No. & Page Nos.
Advances and Applications in Mathematical Sciences	S.Maharasi G.Uthaya Sankar & B.Revathy	Common fixed point theorems for multi valued contractive mapping in Fuzzy metric space	ISSN No: 0974-6803 Volume - 21, Issue -11 September 2022 Page No.6205-6212
Journal of Xi'an Shiyou University	S.Priyanga and K.Ramalakshmi	Proper Lucky Labeling of Triangular Snake Graph	August 2022 Volume -18, Issue - 8
Science, Technology and Development Journal	S.Priyanga and K.Ramalakshmi	Efficient Lucky Edge Labeling of Graphs	August 2022 ISSN No: 0950-0707 Volume-11, Issue-8,
Ratio Mathematica	K.Palani A.Shunmugapriya	Gaussian Twin Neighborhood Prime Labeling on Fan Digraphs Near Mean Labeling in Dicyclic Snakes	E-ISSN No: 2282-8214, ISSN No: 1592-7415, Volume -45, Special Issue: Advances in Applied and Intellectual Mathematics, March 2023 Page No.9-31



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PARTMENT OF PHYSICS

Staff Presentation/ Publication in the Conference Proceedings

Date	Title of the Conference/Seminar		Organised by@Venue
16.03.2023	National Conference on Trends in physics		Department of Physics , Sri Sarada College for Women (Autonomous) Tirunelveli 627 001
	Details of Author		Title of the Paper with proceedings ISBN No:- 978-81-960484-8-8
	Magara Jothi Lakshmi S	Phyto synthesis and characterization of Ag / ZnO nanocomposite by Murraya Koenigii	
		Review on Silver Nanoparticles – Research trends, Bio - Medical Applications, Synthesis, Properties and Upcoming problems	
	Bagavathi S	Growth and characterization of an inorganic NLO lithium chloride single crystal	
		Growth and characterization of nonlinear optical amino acid single crystal: l-alanine	
	P.Gomathy	Light Follower Robot	
		Synthesis and structural properties of zinc oxide nano particles	
			Automatic sunlight detecting sunflower based solar tracker
	N.Booma Devi	A study on nuclear stability using nuclear models	
		Design and mechanism of river cleaning machine	
	S.Muthurani	Cu doped zinc oxide as promising photo anode for dye sensitized solar cell Recent developments in environmentally friendly nanoparticle production of cadmium oxide: ynthesis and microbiological investigation	
		Structural characterisation of copper zinc oxide nanomaterials using co precipitation method	
	Niranjana Devi.K	Cu doped zinc oxide as promising photo anode for dye sensitized solar cell Recent developments in environmentally friendly nanoparticle production of cadmium oxide: ynthesis and microbiological investigation	
		Review on the synthesis and characterization of ternary CuFeS ₂ nanoparticles	
		Synthesis of Nickel Cobalt Oxide (NiCoO ₂) nanoparticles as an electrode material for the application of Supercapacitor	
		A Study on the Synthesis and Characterization of CuFeO ₂ Nanoparticles	
		A suitable solution for sustainable development: solar grass cutter	
		Preparation and evaluation of structural property of multiferroic CuMn ₂ O ₄ nanoparticle via co-precipitation technique	
		Piezoelectric shoe for energy harvesting	
	E.Sowbackiyavathi	Design of mini tesla coil	
		Development of Cu ₂ CdZnS ₄ nanoparticles as an efficient counter electrode for high performance dye-sensitized solar cell	
		Review on transition metal carbide and nitride as an efficient counter electrode for dye-sensitized solar cell	
		Design of Obstacle Detector using IR Sensor	



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TIRUNELVELI-627011



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Student Presentation/ Publication in the Conference Proceedings

Date	Title of the Conference/Seminar	Organised by@Venue
16.03.2023	National Conference on Trends in physics	Department of Physics , Sri Sarada College for Women (Autonomous) Tirunelveli 627 001
	Details of Participants	Title of the Paper with proceedings ISBN No:978-81-960484-8-8
	Indira Priyadharshini C I M.Sc Physics	Laser Scribed Graphene cathode for next generation of high performance hybrid Supercapacitors
	Kowsalya Devi V III B.Sc Physics	The Biggest breakthrough of Space and Physics
	Kowsalya Devi V III B.Sc Physics	A review on the scope of soil physics in future
	Krishnaveni H, Maharasi III B.Sc Physics	Design of mini tesla coil
	Bhavani K and Karthika S II M.Sc Physics	Growth and characterization of an inorganic NLO lithium chloride single crystal
	Bala Ranga Nayagi P II M.Sc Physics	Development of Cu ₂ CdZnS ₄ nanoparticles as an efficient counter electrode for high performance dye-sensitized solar cell
	Ramalakshmi K, Saranapriya A, Sarumathi M, Seetha Lakshmi E III B.Sc Physics	Automated plant watering system using soil moisture sensor
	Preethi N I M.Sc Physics	A suitable solution for sustainable development: solar grass cutter
	Shanmuga Priya S II M.Sc Physics	Preparation and evaluation of structural property of multiferroic CuMn ₂ O ₄ nanoparticle via co-precipitation technique
	Muthuramalakshmi S III B.Sc Physics	Piezoelectric shoe for energy harvesting
	Bhuvaneswari M II M.Sc Physics	Phyto synthesis and characterization of Ag / ZnO nanocomposite by Murraya Koenigii



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Kiruthika K, Lakshmi B I M.Sc Physics	Review on transition metal carbide and nitride as an efficient counter electrode for dye-sensitized solar cell
Janani P S, Indira E III B.Sc Physics	Automatic sunlight detecting sunflower based solar tracker
Kiruthika S, Lakshmi Keerthika M J III B.Sc Physics	Design of Obstacle Detector using IR Sensor
Vijayapathi M II M.Sc Physics	A study on nuclear stability using nuclear models
Srimira N III B.Sc Physics	Growth and characterization of nonlinear optical amino acid single crystal: l-alanine
Vigneshwari S II M.Sc Physics	Structural characterisation of copper zinc oxide nanomaterials using co precipitation method
Haritha S, Kawsalya M III B.Sc Physics	Design and mechanism of river cleaning machine
Ananthi G, Gopika K, Deepa P, Abinaya R III B.Sc Physics	Cu doped zinc oxide as promising photo anode for dye sensitized solar cell
Sowmiya M, Abinaya M I M.Sc Physics	Review on the synthesis and characterization of ternary CuFeS ₂ nanoparticles
Vinitha S K, Sumathi V, Sumithra G III B.Sc., Physics	Light Follower Robot
Ramalakshmi A II M.Sc Physics	Synthesis and structural properties of zinc oxide nano particles
Siva Ranjani S, Abinaya M I M.Sc Physics	Synthesis of Nickel Cobalt Oxide (NiCoO ₂) nanoparticles as an electrode material for the application of Supercapacitor
Ananthi C, Indumathi M, Renuka S I M.Sc Physics	Review on Silver Nanoparticles – Research trends, Bio - Medical Applications, Synthesis, Properties and Upcoming problems
Abinaya M, Sowmiya M I M.Sc Physics	A Study on the Synthesis and Characterization of CuFeO ₂ Nanoparticles



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Staff Presentation / Publication in the Journal:

Name of the Journal	Name of the Author	Title of the Paper	ISSN No, Issue No.& Volume No.
Materials Science in Semiconductor Processing	DR.(SMT).E.S. Sowbakkiyavathi	Physics Progress in transition Metal chalcogenides- Based counterelectrode materials for dye-sensitized solar cells	ISSN No: 1369-8001 Vol :156 March.2023

DEPARTMENT OF CHEMISTRY

Staff Presentation/ Publication in the Conference Proceedings

Date	Title of the Conference/Seminar	Organised by@ Venue	Details of Participants	Title of the Paper with proceedings ISBN No
29.09.2022 & 30.09.2022	International Conference on Advanced Materials and their Applications 2022 (ICAMA'22)	PG& Research Department of Chemistry, V.O.Chidambaram College, Thoothukudi, Tamilnadu, India.	V.RajaRajeswari	Green Synthesis and Characterization of Zr-doped Cobalt Oxide nanoparticles Using Acalypha indica leaf extract ISBN No : 978-93-5701-686-5
			K.Lakshmi	Synthesis and Characterisation of Multimetal Oxide Nanocomposite (MgO-CuO-ZnO) and its antimicrobial activities ISBN No : 978-93-5701-686-5
25.01.2023	International Seminar on Advanced Materials and their Applications	Aditanar College of Arts and Science, Tiruchendur.	V.RajaRajeswari K.Lakshmi	Green Synthesis of Copper Oxide Nanoparticles Using Vitex Negundo Leaf Extract and its Antioxidant Activity ISBN No:978-81-19042-16-6 Page Number :64-68
24.03.2023	National conference	Unnat Bharat Abhiyan SSM	V.Raja Rajeswari	Water Management in Gopalsamudram ISBN No: 978-93-91347-59-8 Page No. 6



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E-mail: srisaradatvl@gmail.com Website: www.srisaradacollege.org



& 25.03.2023	and exhibition on Rural Innovations	Institute of Engineering and Technology, Dindigal	V.RajaRajeswari K.Lakshmi	Waste Water Management in Nochikulam Village ISBN No : 978-93-91347-59-8 Page No. 24
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Students' Presentation in Conference Proceedings

Date	Title of the Conference/Seminar	Organised by @ Venue	Details of Participants	Title of the Paper with proceeding s ISBN No.
25.01.2023	International Seminar on Advanced Materials and their Applications	Aditanar College of Arts and Science, Tiruchendur.	III B.Sc., Chemistry R.Boomiga, P.Ramavarthini G.Ananthi	Biogenic Synthesis ofNickel OxideNanoparticles Using AegleMarmelos Fruit Extract and their Antioxidant Activity ISBN No: 978-81-19042-16-6 Page No.69-72
			III B.Sc., Chemistry A.Subhajoithi	Green Synthesis of Copper OxideNanoparticles UsingVitexNegundo LeafExtract and its Antioxidant Activity ISBN No:978-81-19042-16-6 PageNo.64-68
24.03.2023 & 25.03.2023	National conference and exhibition on Rural Innovations	Unnat Bharat Abhiyan SSm Institute of Engineering and Technology, Dindigal	III B.Sc., Chemistry A.Sivapriya	Water Management in Gopalsamudram ISBN No : 978-93-91347-59-8 Page No. 6
			III B.Sc., Chemistry R.Boomiga	Waste Water Management in Nochikulam Village ISBN No : 978-93-91347-59-8 Page No. 24



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DEPARTMENT OF COMPUTER SCIENCE

Staff Presentation / Publication in the Conference Proceedings

Date	Title of the Conference/ Seminar	Organized by @ venue	Details of Participants	Title of the Paper with ProceedingsISBNNo.
14.12.2022 & 15.12.2022	The first International Conference on Innovative and Cutting EdgeTechnologies in Electrical,Electronics, Computer Engineering and Information Technology (ICICEECI'22)	Mailam Engineering College, Villupuram District, TamilNadu.	Smt.M.Vijayalakshmi	Prediction of Cancer through Analysis of Genomic Information E-ISBN No : 9789357801997 Page No.88
			Dr. V.Vallinayagi	Block Chain Based Smart Contacts for Sustainable supply chain Management in the Healthcare Industry E- ISBN No : 9789357801997 Page No.52
29.03.2023	National Conference on “Emerging Trends in Data Science” ISBN No.978-81-960484-4-0		Department of Computer Science	
	Detail of the Participants		Title of the Paper	
	Dr. V.Vallinayagi		A Frame Work for Building Timesheet Preparation PageNo.25	
	Dr. V.Vallinayagi		Automatic Number Plate Recognition ,Page No:27 PreventiveMeasures in Cybercrime ,Page No:26	
	Smt.M. Vijayalakshmi		Evaluation Posterior Capsule Specification Using Machine Learning in Python ,Page No:24 Deep Learning Algorithm used on Forest Fire Detection,Page No:37	
	Dr.K.Amutha		Breast Cancer Prediction Using Machine Learning Algorithm ,Page No :6 Crypto system for Secured E-Learning and Educational Data Mining,, Page No.40	
	Selvi B.Bhuvaneshwari		Online Complaint Registration Using Visual Force Page No.44 Artificial Intelligence & Robotics-Synthetic Brain in Action,PageNo.38 CropYield Prediction Using Machine Learning Techniques,PageNo:39	



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	Selvi E.SubaLakshmi	Enhanced available Band width Estimation Technique Page No.45
		Study on Data Science in Application and Benefits Page No.41
		Study on Artificial Intelligence Applications ,Page No.36
		Fraud Detection Using Machine Learning and Deep Learning, Page No.42

Students Presentation/Publication in the Conference Proceedings

Date	Title of the Conference/Seminar	Organizedby@venue
24.03.23 & 25.03.23	National Conference and Exhibitionon Rural Innovation	Unnat Bharat Abhiyan, SSA Institute of Engineering and Technology,Madurai Dt, TamilNadu
	Details of Participants	Title of the Paper with Proceedings
	IM.Sc ,P.Aruna & S.SreeSutha,	Sensor Application for Plant Disease Detection using Deep Learning ISBN No :978-93- 91347-59-8, Page No:61
29.03.23	National Conferenceon “Emerging Trends in Data Science”with ISBN No : 978-81-960484-4-0	Department of Computer Science
	IIM.Sc,M.Vennila	A Frame Work for Building Time sheet Preparation, , Page No:25
	IIM.Sc, E.Yazhini Thayammal	Online Complaint Registration UsingVisual Force Page No:44
	IIM.Sc, S.Nirmala	Breast Cancer Prediction Using Machine Learning Algorithm,,Page No :6
	IIM.Sc,K.KarumariKalyaniSelvi	Enhanced Available Bandwidth Estimation Technique , , Page No:45
	IIM.Sc,P.Parameswari	Evaluation Posterior Capsule Specification Using Machine Learning in Python , Page No:24
	IM.Sc, P.Aruna	Automatic Number Plate Recognition , Page No:27
	IM.Sc,M.Ambikhaa Devi	Artificial Intelligence & Robotics- Synthetic Brain in Action, Page No:38



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29.03.23	IM.Sc , S.SreeSutha	Deep Learning Algorithm used on Forest Fire Detection , Page No:37
	IM.Sc,B.Gomathi Bala	Preventive Measures in Cybercrime , Page No:26
	IM.Sc,S.Kamatchi Kavitha	Crypto system for Secured E-Learning and Educational Data Mining. , Page No:40
	IM.Sc ,K.Karpaga Vishalatchi	CropYield Prediction using Machine Learning Techniques, Page No .39
	IM.Sc,I.Subbulakshmi	Study on Data Science in Application and Benefits, Page No:41
	IM.Sc,M.Thanga Sushma	Study on Artificial Intelligence Applications , Page No:36
	IM.Sc,M.Subbulakshmi	Fraud Detection using Machine Learning and Deep earning, Page No:42

aff Presentation / Publication in the Journal

Name of the Journal	Name of theAuthor	Title of the P aper	Issue No.& Volume No.
Purakala	Dr.K.Amutha	Review on Efficiency of SoftwareDefinedNetworking Controllers	ISSN No.0971-2143 Issue No.1 Volume No.32 Page No.2023
		Secured Toll Identification and Tracking System using RFID and Block Chain	ISSN No.0971-2143 Issue No.1 VolumeNo.32 Page No.2023
Industrial EngineeringJournal	Dr.V.Vallinayagi	Urban Sprawl Simulation Model for Tirunelveli Taluk	ISSN No.0970-2555 E.ISSN No.2640-1118 Issue No.6 Volume No.2 Page No.429 -436



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(A branch of Sri Ramakrishna Tapovanam, Tirupparaithurai)

Ariyakulam, Thoothukudi NH, Maharaja Nagar Post,

TIRUNELVELI-627011

E-mail: srisaradatvl@gmail.com Website: www.srisaradacollege.org



DEPARTMENT OF COMPUTER APPLICATIONS

Staff Presentation/Publication in the Conference Proceedings

Date	Title of the Conference/ Seminar	Organized by @ venue	Details of Participants	Title of the Paper with Proceedings ISBN No.
13.03.2023	International Conference on" Wireless and Mobile Network Security"	SriSarada College for Women (A), Tirunelveli-627011.	Selvi S.Vimala	Wireless and Mobile Network Security ISBN No:978-81-960484-2-6
			Smt.M.Sudarveni@Subha	Wireless and Mobile Network Security ISBN No:978-81-960484-2-6
			Smt. P.Anusha	Wireless and Mobile Network Security ISBN No:978-81-960484-2-6
24.03.2023	National Conference and Exhibition on Rural Innovations	Unnat Bharat Abhiyan SSM Institute of Engineering and Technology	Smt.M.Sudarveni@Subha	Applications of Sensors in energy System ISBN No:978-93-91347-59-8
			Dr. B.Parvathi Devi	Tele Medicine Approach using IoT ISBN No:978-93-91347-59-8

Staff Presentation / Publication in the Journal

Name of the Journal	Name of the Author/ Co-Authors	Title of the Paper	Issue No. Volume No. & Page Nos.
Innovation of information technology	Dr.M. Malini	Weather Prediction Summary Using Machine Learning Algorithm	2581-723X, Vol.5,pp:6,2021
Purakala – UGG care List group – I	Dr.B. Parvathidevi	Efficiency of Software Defined Networking Controllers	ISSN No:0971-2143, Volume-32 Issue 1.23 Page No.248-251
		Secured Toll identification and tracking system using RFID and Block chain	ISSN No: 0971-2143, Volume-32 Issue 1.23 Page No.252-255



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