


FACULTY PROFILE

Name of Teaching Staff / RMK ID	S ROSALINE / T0866		
Designation	ASSISTANT PROFESSOR		
Department	ECE		
Date of Joining the Institution	01.06.2015		
Qualifications	M.E		
Total Experience	Overall : 13 YEARS 10 MONTHS	in RMK : 9 YEARS & 4 MONTHS	
Papers Published in Journal	Overall : 21	After Joining RMK :20	
List of Papers Published	<p>1. ISM Band-based Array Antenna of 4x1 Configuration for Microwave Imaging Jasmine Hephzipah J.;Logeshwaran M.;Jyoth Varshan M.;Logesh A.;Sarala B.;Rosaline S. 2024 International Conference on Cognitive Robotics and Intelligent Systems, ICC - ROBINS 2024, Volume , Year 2024, Pages 898-903</p> <p>2. Performance Analysis of Deep Learning RBFNN Algorithm Based Bridge/Concrete Detection Sabarish P.;Rosaline S.;Sivarajan S.;Permila T.R.;Sujatha G.;Sasikumar M. 2024 2nd International Conference on Computer, Communication and Control, IC4 2024, Volume , Year 2024</p> <p>3. Embedded systems Dr.B.Sarala, Ms.S.Rosaline, Ms.T.D.Subha, Dr.M.S.Kavitha Embedded systems, Volume , Year 2024, Pages</p> <p>4. An Internet of Things Powered Systematic Weather Tracking System based on Environmental Evaluation Sensors V. S. Prabhu; Rosaline Samuel; V. Chinnammal; M. Venkatanaresh; M Srinivasan IEEE XPLORE, Volume , Year 2024, Pages</p> <p>5. The Creation of Intelligent Surfaces for the Purpose of Next-Gen Wireless Networks Sowmiya S.;Senthilkumar P.;Kuppuraj T.;Mishra A.;Muralidharan P.;Rosaline S. 2024 4th International Conference on Advance Computing and Innovative Technologies in Engineering, ICACITE 2024, Volume , Year 2024, Pages 229-234</p> <p>6. A Structured Design of 5G Based Assisted MTC System using MissionCritical System Mohan C.;Agrawal S.;Francis G.A.;Sheril S.;Al-Farouni M.;Rosaline S. 2024 4th International Conference on Advance Computing and Innovative Technologies in Engineering,</p>		

ICACITE 2024, Volume , Year 2024, Pages 354-358

7. A Novel Approach to ROI based Medical Image Compression using Lifting Wavelets Rosaline S.;Paulraj D. 7th International Conference on Inventive Computation Technologies, ICICT 2024, Volume , Year 2024, Pages 2077-2082

8. Precise Identification of Anomalies in Brats MR Brain Images using Metaheuristic Optimization Techniques Rosaline S.;Maheswari K.;Dhanasakkaravarthi B.;Vaishali M.;Kannan S.;Selvaraju N. 7th International Conference on Inventive Computation Technologies, ICICT 2024, Volume , Year 2024, Pages 64-69

9. Detection and Brain Cancer through Enhanced Particle Swarm Optimization in Artificial Intelligence Approach Mohanaprakash T.A.;Kulandaivel M.;Rosaline S.;Reddy P.N.;Bhukya S.N.;Jogekar R.N.;Vidhya R.G. Journal of Advanced Research in Applied Sciences and Engineering Technology, Volume 33, Year 2024, Pages 174-186

10. An Internet of Things Powered Systematic Weather Tracking System based on Environmental Evaluation Sensors Prabhu V.S.;Samuel R.;Chinnammal V.;Venkatanaresh M.;Srinivasan M. Proceedings of the 2023 International Conference on Innovative Computing, Intelligent Communication and Smart Electrical Systems, ICSES 2023, Volume , Year 2023

11. Enhancement of Microstrip Patch Antenna (MSPA) with Partial Ground P. Prakash ; S. Rosaline ; S. Amudhapriya ; Charanjeet Singh ; V Rajesh ; Deepak Kumar Nayak Proceedings of the 2nd International Conference on Applied Artificial Intelligence and Computing, ICAAIC 2023, Volume , Year 2023, Pages 1571-1575

12. Detection of Brain Cancer through Enhanced Particle Swarm Optimization in Artificial Intelligence Approach shankarnayak bhukya Journal of Advanced Research in Applied Sciences and Engineering Technology, Volume 2, Year 2023, Pages

13. Conventional arrayed waveguide grating (CAWG) devices for high stability and low insertion loss in near infrared wavelength band Leon M.L.;Samuel R.;Ahammad S.H.;Meenakshisundaram R.P.;Hossain M.A.;Rashed A.N.Z. Journal of Optical Communications, Volume , Year 2023

14. Priority value based discriminate routing to improve quality of service in mobile ADHOC network Kannan K.;Devaraju M.;Rosaline S. Journal of Advanced Research in Dynamical and Control Systems, Volume 11, Year 2019, Pages 868-877

15. Conventional arrayed waveguide grating (CAWG) devices for high stability and low insertion loss in near infrared wavelength band Megalan Leo Leon , Rosaline Samuel , Shaik Hasane Ahammad , Ramkumar Prabhu Meenakshisundaram , Md. Amzad Hossain

	<p>Journal of Optical Communications , Volume , Year 2023, Pages</p> <p>16. Predicting Melancholy risk among IT professionals using Modified Deep Learning Neural Network (MDLNN) Rosaline S.;Nasreen M.A.;Suganthi P.;Manimegalai T.;Ramkumar G. Proceedings - 2022 IEEE 11th International Conference on Communication Systems and Network Technologies, CSNT 2022, Volume , Year 2022, Pages 385-391</p> <p>17. A Novel Approach to Early Depression Prediction and Estimation with EEG Signals S. Rosaline ; R S Kaavya Varshitha ; Keerthana NV ; Kayam Spoorthi Proceedings - International Conference on Augmented Intelligence and Sustainable Systems, ICAISS 2022, Volume , Year 2022, Pages 1240-1243</p> <p>18. Detection of Tumor in Nervous tissue Using Radar Based Design Rosaline S.;Kannan ;Krishnan R.;Vanaja S.;Sheela J.J.J. 2021 International Conference on Computer Communication and Informatics, ICCCI 2021, Volume , Year 2021</p> <p>19. Enhancing quality of service detection service with priority approach in medium access layer Kannan K.;Devaraju M.;Rosaline S. International Journal on Emerging Technologies, Volume 11, Year 2020, Pages 229-233</p> <p>20. Triangular UWB antenna with reduced ground plane effect Joselin Jeya Sheela J.;Rosaline S.;Aswini M.;Praveen Kumar V. International Journal of Innovative Technology and Exploring Engineering, Volume 9, Year 2019, Pages 843-847</p> <p>21. An effective IoT based fuel and cost monitoring system Rosaline S.;Joselin Jeya Sheela J.;Hasmitha M.;Rajitha C. International Journal of Recent Technology and Engineering, Volume 8, Year 2019, Pages 4080-4083</p>	
Papers Presented in Conferences (Scopus / WoS indexed only)	Overall : 12	After Joining RMK :10
Ph.Ds / Projects Guided	Ph.Ds Guided : NIL	Student Projects Guided :8
Books Published :	Count : 03	
	ELECTRON DEVICES AND CIRCUIT THEORY, SIPH publication, 978-93-5757-002-2, 2023	
	EMBEDDED SYSTEMS, Prime International Publication, 978-93-6010-927-1, 2024	
	COMMUNICATION ENGINEERING, Prime International Publication,	

	978-93-6010-761-1, 2024	
Patents	Published Count :1	Granted Count :NIL
	List : FPGA BASED REMOTE SMART SPEAKER FOR AGRICULTURE SYSTEM Application No.202141032062 A Date of filing of Application :16/07/2021 Publication Date : 30/07/2021	
Professional Memberships	Count :4	
	List : ISTE, IETE, IAENG, CSTA	
Consultancy Projects Completed	Count :4	
Awards Received	Count : 1	
	List : IEI Best Faculty Advisor Award	
Research grants Received	NIL	
Orchid Link / ID	ID : https://orcid.org/0000-0002-3726-2843	
Google Scholar Link / ID	ID : https://scholar.google.com/citations?hl=en&authuser=1&user=nLLH3x0AAAAJ	
Vidwan Link / ID	ID : https://vidwan.inflibnet.ac.in/profile/305287	
Research Gate Link / ID	NIL	
Scopus Link / ID	ID : https://www.scopus.com/authid/detail.uri?authorId=57281193900	