

FACULTY PROFILE

Name of Teaching Staff / RMK ID	Dr K Saravanan, T1076		
Designation	Professor		
Department	Information Technology		
Date of Joining the Institution	04.07.2022		
Qualifications	M.E	Ph.D	
Total Experience	Overall : 26	in RMK : 8 Yrs 2 Months	
Papers Published in Journal	Overall : 30	After Joining RMK :14	
List of Papers Published	1. K.Saravanan, “Distributed Denial of Service Attack Detection on Precision Agricultural Information using Machine Learning Random Forest Classifier”, 7th international Conference on Intelligent Sustainable Systems(ICISS 2025) 2. K Saravanan, “Enhancing Cloud Security with AI: Developing Robust, Scalable Solutions for Threat Mitigation and Data Protection in Cloud Platforms”, 2024 <u>International Conference on Sustainable Communication Networks and Application (ICSCNA)</u>, 2025, DOI: 10.1109/ICSCNA63714.2024.10863942 3. K Saravanan, “Exploring the Synergy Between Blockchain Technology and Cryptocurrencies: Implications for Financial Innovation and Security”, Published in: 2024 <u>5th IEEE Global Conference for Advancement in Technology (GCAT)</u>, 2024, DOI: 10.1109/GCAT62922.2024.10924020 4. K Saravanan, “ Unleashing Innovation: Experimental Evaluation of Blockchain Assisted Electronic Voting System using Secured Authentication Scheme”, Published in: 2024 <u>International Conference on Intelligent Systems for</u>		

	Cybersecurity (ISCS),2024, DOI: 10.1109/ISCS61804.2024.10581204 5. K Saravanan, “ Leveraging Machine Learning to Identify Synergistic Drug Combinations for Effective Cancer Treatment”, Published in: <u>2023 Seventh International Conference on Image Information Processing (ICIIP)</u>, 2024, DOI: 10.1109/ICIIP61524.2023.10537707 6. K Saravanan, “ Improved Adaptive Network-Based Fuzzy Inference System Approach for Power Flow Analysis in Interconnected DC Microgrid”, Journal of Electrical Systems, 2024, pp:1281-1295 7. K Saravanan,” Image Quality Enhancement and Caption Generation”, Published in: <u>2023 International Conference on Research Methodologies in Knowledge Management, Artificial Intelligence and Telecommunication Engineering (RMKMATE)</u>, 2023, DOI: 10.1109/RMKMATE59243.2023.10369089 8. K Saravanan, “Analysis of Stock Market Predicting Future Trend using ML”, Published in: <u>2024 International Conference on Computing and Data Science (ICCDs)</u>, 2024, DOI: 10.1109/ICCDs60734.2024.10560379 9. K Saravanan, “Internet of Things Driven Rule Based Management Model for Heterogeneous Environment”, SN Computer Science, Published 2024, Vol 5, 10. K Saravanan, “Deep Graph Neural Networks for Multi-Image Super Resolution Reconstruction”, International Journal of INTELLIGENT SYSTEMS AND APPLICATIONS IN ENGINEERING, 2024 11. K Saravanan, “Prediction of RNA Function in the Context of Linear Non-Coding RNA using a Heterogeneous Network Approach”, International Conference on Recent Trends in Data Science and its Applications DOI: rp-9788770040723.073 12. K. Saravanan, “A Novel Big Data Based Security Analytics Approach for Concept-Based Mining Model in Cloud Computing”, International Journal of Scientific Research in
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	Computer Science, Engineering and Information Technology, Volume 3, Issue 5, pp:186 - 190, 2018 13. K. Saravanan, "A STUDY ON RESCUE STRATEGY ANALYSIS FOR DISASTER MANAGEMENT", International Journal of Pure and Applied Mathematics, Volume 118, Issue 15, pp:201 207, 2018. 14. K. Saravanan, "A REVIEW ON RECOMMENDATION SYSTEMS FOR DATA ANALYTICS", International Journal of Pure and Applied Mathematics, Volume 118, Issue 15, pp:331 - 339, 2018 15. K. Saravanan, " Secure ETSI: Efficient Task Scheduling in Internet of Things", International Journal of Pure and Applied Mathematics, Volume 117, Issue 22, pp:229 - 233, 2017. 16. K. Saravanan, " Secure And Card Less Finger Print Based Android Application For Shopping And Bill Payments", International Journal of Contemporary Research in Computer Science and Technology, Volume 3, Special Issue 2, pp:32-36, 2017. 17. K. Saravanan, " Graph Based Optic Disc Detection with Multi Threshold Segmentation using K-Means Clustering for Retinopathy Classification", Asian Journal of Research in Social Sciences and Humanities Vol. 6, 2016, pp:14-22., 2016. 18. K. Saravanan, "Multi Agent based Page Ranking Algorithm for Personalized Web Search with Query Optimization", Asian Journal of Research in Social Sciences and Humanities, Vol. 6, Issue 6, pp:313-323, 2016. 19. K. Saravanan, " Load Balancing With Priority Based Buffer Management On Adaptive Routers", SSRG International Journal of Electronics and Communication Engineering, pp:113-120, 2015 20. K. Saravanan, "Service Oriented Real-Time Buffer Management For Qos On Adaptive Routers", Journal of Theoretical and Applied Information Technology, ISSN: 1992-8645, Vol. 55 issue 2, 197-202, 2013.
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	21. K Saravanan, "Scheduling Based Priority Buffer Management on Adaptive Routers", Australian Journal of Basic and Applied Sciences, vol 8 issue 1, pp:30-39, 2014. 22. K. Saravanan "Buffer Pocketing and Pre-Checking on Buffer Utilization", Journal of Computer Science", vol 8, issue 6, pp: 987-993, 2012 23. K. Saravanan, "Auxiliary Buffer Based Router Architecture for High End Traffic Behavior", European Journal of Scientific Research, Vol.59 No.2, pp.249-257, 2011. 24. K. Saravanan, "Using AI Models for Fault-Tolerance in Quantum Computing", Published in: 2025 IEEE 1st International Conference on Smart Innovations in Systems, Infrastructure, Mechanical, Power, AI and Computing Technologies, Publisher IEEE, 2025 25. K. Saravanan, "Unveiling Tomorrow's Air Quality using Machine Learning Techniques", Published in: International Conference on Electronics and Sustainable Communication Systems, Infrastructure, Mechanical, Power, AI and Computing Technologies, Publisher IEEE, 2025 26. K. Saravanan, "Distributed Denial of Service Attack Detection on Precision Agricultural Information using Machine Learning", Published in: 2025 7th International Conference on Intelligent Sustainable Systems, Publisher IEEE, 2025 27. K. Saravanan, "A Gesture-based Mobile Platform for Accessible Education", Published in: 2025 4th International Conference on Innovative Mechanisms for Industry Applications, Publisher IEEE, 2025 28. K. Saravanan, "A Gesture-based Mobile Platform for Accessible Education", Published in: 2025 4th International Conference on Innovative Mechanisms for Industry Applications, Publisher IEEE, 2025 29. K. Saravanan, "Development of Personalised Diseases with Digital Twins: Wearables for Real-Time Monitoring
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	and Early Intervention in Heart Patients”, Published in: International Conference on Data Science, Agents and Artificial Intelligence, Publisher IEEE, 2026. 30. K. Saravanan, “ Recolored Image Detection using Deep Convolutional Neural Networks”, Published in: Journal of Applied Science and Computations, Volume 6, Issue 5,pp: 1253 – 1261 31. K. Saravanan, “ Detection and prevention in WSN security framework using deep learning against black hole and wormhole attacks”, Published in: Ain Shams Engineering Journal vol 16, ,publisher: Elsevier, 2025	
Papers Presented in Conferences (Scopus / WoS indexed only)	Overall : 13	After Joining RMK : 10
Ph.Ds / Projects Guided	Ph.Ds Guided :	Student Projects Guided :35
Books Published :	Count :02	
	List : Big Data Analysis for Internet of Things Object Oriented Software Engineering	
Patents	Published Count :04	Granted Count :–
	List : 1. Energy-Optimized Neuromorphic Quantum Learning System for Secure Brain Signal Transmission in Next-Generation Wireless Networks 2. IoT CONTROL SMART FARM SYSTEM USING SILICON LED LAMP 3. System and method for remote controlling and monitoring of IoT based vehicle 4. A Cloud computing system for scalable data storage and processing and method thereof	
Professional Memberships	Count : 02	
	List : 1. IEEE Member, Number : 101234164 2. Member in “”International Association of Engineer”(IAENG). Membership Number: 119085 • Member in “Computer Science Teachers Association”(CSTA). Membership Number: 3128548	
Consultancy Projects Completed	Count :02 1. Website Design for ICONIX Software Solutions, for an amount of Rs 50000 2. Mobile applications for students academic marks and fee management for ICONIX for an amount of 60000	
Awards Received	Count : 02	

	List : 1. Best Academician Award 2024 by New Rains 2. This is to certify that K Saravanan has attended and successfully completed the assessment for Internal Auditor Training Course on Quality Management System
Research grants Received	--
Orchid Link / ID	ID : 0000-0002-3820-8857
Google Scholar Link / ID	ID : https://myaccount.google.com/?hl=en
Vidwan Link / ID	ID : 302656
Research Gate Link / ID	ID: U-6050-2017
Scopus Link / ID	ID : 58852430800