

FACULTY PROFILE

Name of Teaching Staff / RMK ID	Dr. K. Chidambarathanu / T0242			
Designation	Professor and Head			
Department	Computer Science and Business Systems			
Date of Joining the Institution	16.06.2003			
Qualifications	B.E. (CSE)	M.E. (CSE)	Ph.D. (CSE)	
Total Experience	Overall : 24		in RMK : 22	
Papers Published in Journal	Overall : 27		After Joining RMK : 27	
List of Papers Published	1. Kathirvelu, S., Kasiviswanathan, S., Krishnan, C. et al. Multiplexer Based All-Optical NOR, NAND, XNOR and XOR Gates Using Silicon Microring Resonator: Design and Analysis. Silicon (2025). https://doi.org/10.1007/s12633-025-03372-x (Scopus Indexed,SCIE) 2. D. Suriya kumari, P.S. Manoharan, K. Chidambarathanu, J. Vishnupriyan, Optimization of self-sufficient hybrid renewable energy source fed BWRO desalting plant through fuzzy AHP and VIKOR MCDM techniques, Desalination and Water Treatment, Volume 322, 2025, 101215, ISSN 1944-3986, (Scopus Indexed, SCIE) 3. J. Vishnupriyan, K. Selvaraj, K. Pradeepa, K. Chidambarathanu, V. Aakash and M. S. Kumar, "Intelligent Solar Powered Autonomous Mower," 2025 International Conference on Knowledge Engineering and Communication Systems (ICKECS), Chickballapur, India, 2025, pp. 1-5, doi: 10.1109/ICKECS65700.2025.11035393. (Scopus Indexed) 4. U. R, S. S and K. Chidambarathanu, "FreshBox AI: A Machine Learning-Based Approach for Medicinal Plant Identification and Authentication," 2025 2nd International Conference on Research Methodologies in Knowledge Management, Artificial Intelligence and Telecommunication Engineering (RMKMATE), Chennai, India, 2025, pp. 1-6, doi: 10.1109/RMKMATE64874.2025.11042340. (Scopus Indexed) 5. K. ThamaraiSelvi, A. Pushpalatha, K. Chidambarathanu, J. P. Wankhede, S. Alagumuthukrishnan and V. Sarveshwaran, "SecureChainAI: Integrating Blockchain and Artificial Intelligence for Enhanced Security in IoT Environments," 2024 5th International Conference on Smart Electronics and Communication (ICOSEC), Trichy, India, 2024, pp. 781-789, doi: 10.1109/ICOSEC61587.2024.10722669. (Scopus Indexed)			

	6. K. C R, J. Raja, S. S. Marotrao, N. Neelima, R. Sujatha and K. Chidambarathanu, "AI algorithms for Autonomous Robotics Navigation," 2024 Second International Conference Computational and Characterization Techniques in Engineering & Sciences (IC3TES), Lucknow, India, 2024, pp. 1-4, doi: 10.1109/IC3TES62412.2024.10877509. (Scopus Indexed) 7. H. P, C. K and L. Ramachandran, "Intelligent Accident Detection and Severity Analysis System for Enhanced Emergency Response," 2024 International Conference on Computing and Data Science (ICCDs), Chennai, India, 2024, pp. 1-6, doi: 10.1109/ICCDs60734.2024.10560454. (Scopus Indexed) 8. Krishnan, Chidambarathanu. (2023). COMPARATIVE EVALUATION OF CARDIOVASCULAR DISEASE USING MLR AND RF ALGORITHM WITH SEMANTIC EQUIVALENCE. Journal of Theoretical and Applied Information Technology. 101. 7419-7429. (Scopus Indexed) 9. Gnanasekar, A. K., Rao, N. K. K., Chidambarathanu, K., Yadav, A. S., Kumar, T. R., & Kumar, A. (2023, September). Design of digital enterprise through artificial intelligence. In AIP Conference Proceedings (Vol. 2831, No. 1, p. 020014). AIP Publishing LLC. (Scopus Indexed) 10. S. Sankara Narayanan, L. C. Meena, K. C. Thanu and P. Chandrasekar, "Enhancing Glioma Brain Tumor Detection from MRI using Deep Learning Techniques," 2023 International Conference on Data Science, Agents & Artificial Intelligence (ICDSAAI), Chennai, India, 2023, pp. 1-6, doi: 10.1109/ICDSAAI59313.2023.10452496. (Scopus Indexed) 11. Romil Rawat, Rajesh Kumar Chakrawarti, A. Samson Arun Raj, Gayathri Mani, K. Chidambarathanu & Ramakant Bhardwaj. Association rule learning for threat analysis using traffic analysis and packet filtering approach. International Journal of Information Technology (2023). https://doi.org/10.1007/s41870-023-01353-0 (Scopus Indexed) 12. M. S. C, R. Renugadevi, E. Jothi, L. Balraj, K. Chidambarathanu and V. D. Vemuru, "Securing Children Based On IoT And Emotion Prediction," 2023 International Conference on Research Methodologies in Knowledge Management, Artificial Intelligence and Telecommunication Engineering (RMKMATE), Chennai, India, 2023, pp. 1-6, doi: 10.1109/RMKMATE59243.2023.10369553. (Scopus Indexed) 13. A. Biradar, M. Chandan, Y. M. Raghavendra, K. Chidambarathanu, I. Thamarai and A. Raturi, "Self-Healing for Software Defined Networking," 2023 2nd International Conference on Applied Artificial Intelligence and Computing (ICAAIC), Salem, India, 2023, pp. 1009-1013, doi: 10.1109/ICAAIC56838.2023.10140470. (Scopus Indexed)
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	14. G. S. Sudharsan, J. Vishnupriyan, K. V. Anand and K. Chidambarathanu, "Wind Turbine Instrumentation System using Labview," 2022 Third International Conference on Intelligent Computing Instrumentation and Control Technologies (ICICT), 2022, pp. 121-124, doi: 10.1109/ICICT54557.2022.9917754.(Scopus Indexed) 15. P. Renukadevi, A. Dakchinamoorthy, A. T. P, S. R. S and K. Chidambarathanu, "Facial Recognition based Attendance," 2022 International Conference on Inventive Computation Technologies(ICICT), Nepal, 2022, pp. 993-998. doi: 10.1109/ICICT54344.2022.9850734. Scopus Indexed) 16. D. Jeyakumar, K. Chidambarathanu, S. Pradeepkumar & T. P. Anish, "OUTFS+. An Efficient User-Side Encrypted File System Using IBE With Parallel Encryption," 2022 6th International Conference on Trends in Electronics and Informatics (ICOEI), 2022,pp. 760-766, doi: 10.1109/ICOEI53556.2022.9776722. (Scopus Indexed) 17. G. Srinivasa Sudharsan, J. Vishnupriyan, K. Vijay Anand, K. Chidambarathanu, "Smart monitoring system for small-scale wind turbine model", IEEE Explorer, July 2021. (Scopus Indexed) 18. Vishnu Priyan, K. Chidambarathanu, K., "Intelligent Battery Management System", IEEE Explorer, July 2021. (Scopus Indexed) 19. K.Chidambarathanu, "Experimental investigations of high efficiency smart tunnel dryer system" AIP Conference Proceedings, Dec 2019. (Scopus Indexed, WoS) 20. K. Chidambarathanu & K.L. Shunmuganathan, "Predicting User Preferences on Changing Trends and Innovations Using SVM based Sentiment Analysis", Cluster Computing, Vol. 22, No. 5, 2019, pp. 11877-1181. (Scopus Indexed, SCIE) 21. Sankara Narayanan S, K. Chidambarathanu, Meena L C, "PFR Based Technique to Detect Intruder in MANET", Jour of adv research in dynamical & control systems, Vol. 12, No. 02, 2020, pp. 597-601. (Scopus Indexed) 22. Jhansi Ida S, Rekha M, Chidambarathanu K, Archana U, Shanmugama M, "Personal Home Assistance based on Content- based Recommendation Algorithm", International Journal of Mechanical Engineering, Vol. 7, No. 01, 2022, pp. 5756-5764. 23. Asha R, Radhika S, Vinothkumar L, Chidambarathanu K, "Crime Record Management System", International Journal of Mechanical Engineering, Vol. 7, No. 01, 2022, pp. 5729-5735. 24. Likhita M, YaliniDevi S, Hanisha K, Chidambara Thanu K, "E-Toll (Online Toll System)", International Research Journal of Engineering and Technology, Vol. 6, No. 4, April 2019, PP 775- 780.
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	25. Aishwarya G, Sri Sai Tejaswi M, Chidambara Thanu K, "Answer Evaluation using Keyword Search Algorithm", International Journal of Research, Vol. 8, No. 3, March 2019. 26. K. Chidambarathanu and K.L. Shunmuganathan, "Predicting User Preferences on Changing Trends and Innovations Using Sentiment and Personal User Analysis" in International Journal of Printing, Packaging & Allied Sciences, Vol. 5, No. 1, February 2017. 27. Chidambarathanu K, Monalissa D, Pavithra B, Subhashini A "Personal Stock Forecaster" in International Journal for Research in Applied Science & Engineering Technology (IJRASET), Volume 4 Issue IV, April 2016, ISSN: 2321-9653.	
Papers Presented in Conferences (Scopus / WoS indexed only)	Overall : 15	After Joining RMK : 15
Ph.Ds / Projects Guided	Ph.Ds Guided : -	Student Projects Guided : 43
Books/Books Chapter Published :	Count : 2	
	1. Suthar, Hepi, Rawat, Hitesh, Gayathri, M., Chidambarathanu, K. Techno-Nationalism and Techno-Globalization, ISBN 9781394166336, pp. 137-164, https://doi.org/10.1002/9781394167401.ch8, 2. Khubani, Aman, Sharma, Anadi, Choudhary, Axith, Bhatnagar, Om Shankar, Chidambarathanu, K., Quantum Computing in Military Applications and Operations, ISBN-9781394166336, pp. 453-470, https://doi.org/10.1002/9781394167401.ch27	
Patents	Published Count : 4	Granted Count : -
	1. Indian Patent titled "STUDESCK - An Innovative Smart Desk for Classrooms" published on 13.09.2024 (202441065830) 2. Indian Patent titled "Integrated Vehicle Performance Diagnostics and Optimization System with OBD-II, GPS, and Cellular Connectivity" published on 13.09.2024 (202441065831) 3. Indian Patent titled "Freelance marketplace website with reverse bidding system" published on 22.12.2023 (202341080342) 4. Indian Patent titled "Automated Railway Ticket Examination using Biometric Authentication" published on 13.05.2022 (202241019811)	
Professional Memberships	Count : 7	
	➤ ISSE – Indian Society of Systems for Science and Engineering ➤ ISTE – Indian Society for Technical Education ➤ International Association of Computer Science and Information Technology ➤ International Association of Engineers ➤ Internet Society	

	➤ Institute For Engineering Research and Publication (IFERP) ➤ International Association of Academic plus Corporate
Consultancy Projects Completed	Count : 6
Awards Received	Count : 9 ➤ Shortlisted as AICTE LITE Faculty to implement Minor degree programme on Web Development. ➤ Received Best Faculty Award from Virtusa Consulting Services Limited for Excellency and Competency of performance towards training the students on Front End Engineering Technology ➤ Received Best Faculty Award from Cognizant for the year 2016-17. ➤ Recognized as WIPRO Certified Faculty with a Score of 92.36% in J2EE Technologies by WIPRO Technologies, Bangalore. ➤ Received Best Faculty Advisor 2023 from Institutions of Engineers (India) ➤ Received Best Team Mentor Award in Smart India Hackathon 2018 for the problem statement provided by Government of Delhi organized by Ministry of Human Resource and Development (MHRD) and All India Council for Technical Education (AICTE). ➤ Received Gold Medal/Topper in online NPTEL course Programming in C with a score of 90% ➤ Received Gold Medal in online NPTEL course Programming in Java with a score of 93% ➤ Received Gold Medal in Java and C++ domain and Silver Medal in Problem Solving domain and 30 Days Code Challenge in Hackerrank Platform.
Research grants Received	➤ Received Rs. 13,42,000/- from MSME for startup titles Made In and for India Freelancing Job Portal under Innovative Champion Scheme. ➤ Received Rs. 1,00,000/- from AICTE under Scheme for Promoting Interests, Creativity and Ethics among Students (SPICES) during May 2022. ➤ Received Rs. 2,75,000/- from AICTE for organizing STTP on Service Oriented Application under AQIS scheme in the year 2020 ➤ Received Rs. 1,00,000/- from AICTE for organizing Seminar on Service Oriented Application under AQIS scheme in the year 2018.

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Google Scholar Link / ID	ID : sFjOLTAAAAAJ
Vidwan Link / ID	ID : 283532
Research Gate Link / ID	ID: AAZ-3587-2021
Scopus Link / ID	ID : 57199506981