FACULTY PROFILE

Name of Teaching Staff / RMK ID	Dr.M.S. KAVITHA /T0142
Designation	Associate Professor
Department	Electronics Engineering (VLSI Design and Technology)
Date of Joining the Institution	6.12.2000
Qualifications	B.E-EEE M.E-APPLIED ELECTRONICS Ph.D/I&C
Total Experience	Overall: 24 in RMK: 24
Papers Published in Journal	Overall: 20 After Joining RMK :20
List of Papers Published	1. Enhancing skin lesion classification with advanced deep learning ensemble models: a path towards accurate medical diagnostics Kavitha Munuswamy Selvaraj,Sumathy Gananagurusubbiah, Reena Roy Roby Roy, Jamine Hephzipah John Peter, Sarala Babu, Current Problems in Cancer, Volume , Year 2024, Pages 2. Design and Development of Human Detection Robot to Rescue People from Disaster Environment by using Internet of Things, M.S.Kavitha, S.Bharathi, S.Krishnakumari, S.Vijay Shankar, C.Thyagarajan, International Conference on Innovative Computing, Intelligent Communication and Smart Electrical, Systems, Volume , Year 2024, Pages 3. AI Implementation Techniques for finding Earth's Frozen zones, M.S.Kavitha, P.Mahlakshmi, L.Manimegalai, S.Sundaramoorthi, Novel AI Applications for Advancing Earth Sciences, Volume , Year 2024 4. Improved Biometric Authentication Using Blockchain Based Biometric Authentication Model, Kavitha M.S.;Sudhakar A.;Srinivas K.N.H.;Rani P.J.;Harsha B.K.;Riyaz Hussain S, International Journal of Intelligent Systems and Applications in Engineering, Volume 12, Year 2024, Pages 256-262 5. The Development of Network Management System Design for the Upgraded Optimization of 5G Network,Mani A.;Arunkumar S.P.;Babu V.D.;Ebenezer K.;Hussein

L.;Kavitha M.S., 2024 4th International Conference on Advance Computing and Innovative Technologies in Engineering, ICACITE 2024, Volume , Year 2024, Pages 413-417

6. Navigating of 6G Network into the Latest AI Technology for the Fastest Communication Without Loosing the Data Saxena A.;Kumar R.V.;Al-Farouni M.;Santhosh Kumar C.;Karpagam J.;Kavitha M.S.,2024 4th International Conference on Advance Computing and Innovative Technologies in Engineering, ICACITE 2024, Volume , Year 2024, Pages 145-150

7. The Mapping of 6G Technology with the Landscape Technology for Wireless Communication System, Al-Jawahry H.M.;Nandagopal A.;Yawanikha T.;Gayathri C.;Jain N.;Kavitha M.S., 2024 4th International Conference on Advance Computing and Innovative Technologies in Engineering, ICACITE 2024, Volume , Year 2024, Pages 450-455

8. Latency Reduction in mmWave VLSI Circuits through Gravitational Learning, Shanthi K.G.;Kavitha M.S.;Rajeswari P.;Jayanthi N.;Kumar S.;Lalitha S.D., 2023 International Conference on Advances in Computation, Communication and Information Technology (ICAICCIT), Volume , Year 2023, Pages 1197-1202

9. A Smart Agriculture Friendly Intelligent Flying Robot Design to Identify Plant Leaf Diseases by using Digital Image Processing with Learning Approach, Kavitha M.S.;Harikrishnan R.;Shankar S.V.;Krishnakumari S.;Sherly S.I., Proceedings of the 2023 International Conference on Innovative Computing, Intelligent Communication and Smart Electrical Systems, ICSES 2023, Volume , Year 2023

10. Design of all pass make over based capricious digital filter using eminent speed dual carry select adder and truncation and rounding approximate multiplier for image processing application Concurrency and Computation: Practice and Experience, Year 2023

11. Video Saliency Detection by using an Enhance Methodology Involving a Combination of 3DCNN with Histograms Kumar R.S.;Mahalakshmi P.;Jothilakshmi R.;Kavitha M.S.;Balamuralitharan S. International Journal of Computers, Communications and Control, Volume 17,

	Year 2022
	12. Wireless Power Transmission for Electric Vehicle, M.S.Kavitha, J.Jayaseelan,J.S.Mohammad Sajid,K.Pravin,J.Raahul, Mathematical Statistician and Engineering Applications, Volume 71, Year 2022, Pages 5929-5935
	13. Knock based Security Console with Fingerprint Sensor, M.S. Kavitha,S. Navin Vaishnav,U. Nikhil Surendar,R. Mohamed Atheeq,G.R. Lokgesh, Geintec- Gestao Magazine Innovation and Technologies, Volume 11, Year 2021
	14. Robotic Cubes for the Intellectual Simulation of Kids, M.S. Kavitha, M. Maadhavan,C. Karthick,K. Nithish Kumar,S. Mohit Aksha. Geintec- Gestao Magazine Innovation and Technologies, Volume 11, Year 2021
	15. Early Screening Of Covid-19 Pneumonia Patients Using X-Rays By The Developed Artificial Intelligence System , M.S. Kavitha, K. Saranya, V. Priyadharshini, S. Maurya, R Preetha, Turkish Online Journal of Qualitative Inquiry , Volume 12, Year 2021, Pages 2192-2203
	16. An Efficient FPGA Architecture for Reconfigurable FFT Processor Incorporating an Integration of an Improved CORDIC and Radix-2(R) Algorithm, Kavitha M.S.;Rangarajan P. , Circuits, Systems, and Signal Processing, Volume 39, Year 2020, Pages 5801-5829
	17. An optimized reconfigurable algorithm for FPGA architecture oriented IoT applications Kavitha M.S.;Rangarajan P, Cognitive Systems Research, Volume 52, Year 2018, Pages 335-341
	18. Analysis of multilevel inverter for STATCOM using Fuzzy controller for Power Factor Improvement, S. Rajalakshmi, Dr. P. Rangarajan, D.K. Gowthami, M.S.Kavitha, Australian Journal of Basic and Applied Sciences, Volume, Year 2015
	19. Complex Leap Collection based CNN Method Using Jamming Detection in Wireless IoT Networks, Y.M.Blessy,V S Prabhu, M Perarasi,J. Jasmine Hepzhipah,B Sarala, M S Kavitha,T D Subha, Volume 12, Pages 1953-1966
	20. Optimal Algorithm for power assignments in OFDM form of Cognitive Radio Technique A.Darwin Nesakumar[1], M.S.Kavitha[2], B.Sarala, J.Jasmine Hephzipah,

		R.Pavaiyarkarasi, M.Perarasi, T.D.Subha,, Volume 12
Papers Presented in Conferences (Scopus / WoS indexed only)	Overall: 15	After Joining RMK :15
Ph.Ds / Projects Guided	Ph.Ds Guided : -	Student Projects Guided :36
Books Published:	Count :	
	List: 1. Electric Circuit Analysis,ISBN: 978-93-95405-78-2,2022 2. Microprocessors and Microcontrollers, ISBN:978-93-5757-004-6,2023 3. Embedded Systems, ISBN-978-93-6010-927-1,2024	
Patents	Published Count :5	Granted Count :02
	List : 1. Low Cost Hydroponics Controller with Automation, Remote monitoring and Control using IoT, Mr. N.Suresh, Ms. M.S.Kavitha, Ms. Geetha Ramadas 2. Development of Android Based Auto Car Jack Using Internal Car Power, Dr. Chandrashekhar A, Mr. Kiran Kumar Chandriah, Mr. Manikandan Ganesan, Dr. J. Isaac Joshua Ramesh Lalvani, Dr. Ashish Khaira, Dr. Sankar Sennan, Mrs. M.S. Kavitha, Dr.K.B.Ravindrakumar, Dr. T. Subramani, Dr. D. Palanikkumar. 3. IOT BASED SMART WEARABLE SOCIAL DISTANCING ALERT SYSTEM, SriRam Manish Kumar E,Gowthaman K S,Vinothbabu R,Shabnamara S,Jahagirdar,Sakthivel, V,Naresh G,Kavitha M S,Rubala R,Nivetha B,Dharun J Adithya,Gowtham Kumar AJ,Arpitha G A 4. Smart Assistive System for Paralyzed People using Intelligent Wheelchair, L.Annie Isabella, E.Elakkia,Y.Sukhi,Chandla Ellis,S.Anita,M.S.Kavitha,Fayaz Ahamed A,A.Jenifer, Y.Jeyashree, Bala Maheswari.K,S.Deepthi Pooja,R.Dipshika. 5. Web Based Smart Mailbox System, Y.Sukhi, Y.Jeyashree, S.Anita, A.Jenifer, M.S.Kavitha,Fayaz Ahamed.A, E.Elakkia, L.Annie Isabella,Chandla Ellis,Bala Maheswari. K,Ch.Bhavana, Swetha.H,M.Keerthi, T.Anusha.	
Professional Memberships	Count :5	
	List : 1. The Institution of Engineers(IEI) India-Lifetime-M-1578884 2. The Indian Society for Technical Education-ISTE-Lifemember- LM66462 3. International Association of Academic Plus Corporate-FRTJQC-CE001154 4. Scientific International Publishing House-SIPH2023068	

	5. International Association of Engineers-340069
Consultancy Projects Completed	Count :10

Awards Received	Count :
	
	List :
	    1. Obtained 10th rank in AU in PG Programme
	    2. Best Project Award by IEI
	    3. Academic Excellence Award by SIPH
	    4. Academic Excellence Award by Alpha International Publications

Research grants Received	NIL
Orchid Link / ID	ID : 0000-0002-7240-3242
Google Scholar Link / ID	ID : OZ8RfrsAAAAJ
Vidwan Link / ID	https://vidwan.inflibnet.ac.in/profile/305275
Research Gate Link / ID	AAA-4230-2022
Scopus Link / ID	ID : 57212850592