

FACULTY PROFILE

Name of Teaching Staff / RMK ID	M.S. KAVITHA /T0142			
Designation	ASSOCIATE PROFESSOR			
Department	ECE			
Date of Joining the Institution	6.12.2000			
Qualifications	B.E-EEE	M.E-APPLIED ELECTRONICS	Ph.D-LOW POWER VLSI DESIGN	
Total Experience	Overall: 22.5		in RMK: 22.5	
Papers Published in Journal	Overall: 23		After Joining RMK :23	
List of Papers Published	<ol style="list-style-type: none"> 1. S. Rajalakshmi, Dr. P. Rangarajan, D.K. Gowthami, M.S.Kavitha , “Analysis of multilevel inverter for STATCOM using Fuzzy controller for Power Factor Improvement”, Australian Journal of Basic and Applied Sciences, ISSN:1991-8178, 9(10) Special 2015, Pages: 175-186. 2. M.S.Kavitha, H.Shravan, E.Vignesh, R.S.Vasanth, “Traffic Signal based Control of Vehicle Ignition System” , International Journal of Engineering and Techniques, Volume 4 Issue 1, Jan-Feb 2018, ISSN: 2395-1303,Page no:376 to 380. 3. S.Mukesh Kumar,Yanamala Mahesh, Lokesh Babu,M.S.Kavitha “Forward collision alert on stable vehicles using ad-hoc network and image processing” , International Journal of Engineering and Techniques, Volume 4 Issue 2, Mar – Apr 2018 , ISSN: 2395-1303, Page no:258 to 262. 4. Lavanya.V, M.S.Kavitha, “FFT Based Reference Signal generation and selective harmonic elimination PWM to minimize harmonics in line using DVR”, International Journal of Engineering and Techniques, Volume 4 Issue 3, May-June ISSN: 2395-1303 2018, Page no:265 to 269. 5. M.S.Kavitha, P.Rangarajan, 2018, ‘An optimized reconfigurable Algorithm for FPGA Architecture oriented IoT applications’, Cognitive Systems Research, Volume-52,page. 335-341. 6. M.S.Kavitha, P.Gayathri,S.Pradeepa,R.Pavithra,“Wireless power transfer for Electric Vehicle applications” , International Journal of Engineering Science and Computing, ISSN (Print): 2347-6710,Volume 9 Issue 3, March-2019. 7. B.Koushik Kannan, B.Praveen Ram, Mrs.M.S. Kavitha, “PIR based enhanced safety system in Automobiles” in Volume 8 Issue 3, March-2019 International Journal of Innovative 			

	<p>Research in Science, Engineering and technology, Page No:2477 to 2482.</p> <ol style="list-style-type: none"> 8. M.S.Kavitha,K.Vishnu Kumar, Praveen Kumar K,Raja Ganesh S, "Smart car with zone recognizing feature using RFID System" in Volume 8 Issue 3, March-2019 International Journal of Innovative Research in Science, Engineering and technology, ISSN (Print): 2347-6710,Page no:2471 to 2473. 9. M. S. Kavitha , Soundariya. P, Vaishnu. J. M, Yamuna. M, "An Embedded based ATM for blind people" , Volume 7 Issue 3, March-2017 at International Journal of Engineering Science and Computing, ISSN 2321 3361,Page no20565 to 20567. 10. M.S. Kavitha, S.Anita, Kameshwaran.R, S Naveen Kumar, A Jones Allen, FSAE Car Electric Power train Analysis,TEST Engineering and Management, January - February 2020 ISSN: 0193 - 4120 Page No. 14902 – 14906. 11. S.Anita, Y.Sukhi, M.S.Kavitha, G.Lokesh, "Transformerless Hybrid Bridge Inverter for Photovoltaic Grid Connected Systems", Test Engineering and Management, Vol 82, Jan/Feb 2020. 12. M.S.Kavitha, P.Rangarajan, May 2020, 'An efficient FPGA Architecture for Reconfigurable FFT Processor incorporating an Integration of an Improved CORDIC and Radix-2r algorithm', Circuits, Systems and Signal Processing, Volume-39,page. 5801-5829. 13. Kalaivani.M,Kiruthika.R,Kavitha.M.S,Vishnu Kumar.K," Autonomous navigation system for pilotless manoevring through waters", International Research Journal of Engineering and Technology (IRJET), Volume: 07 Issue: 08 Aug 2020,Pp 4986-4990. 14. Karthikeyan, B. Dilli kumar, K.Manojkumar, B.Sabari Girish, Mrs. M.S. Kavitha, E.Vignesh," Utilization of WSN Modules Using Rssi Localization For Smart Tollgate Automation", International Journal for Science and Advance Research in Technology (IJSART), Volume 6 Issue 9 – SEPTEMBER 2020, pp-67 to 70 15. M.S. Kavitha, K. Saranya, V. Priyadharshini, S. Maurya, R Preetha, Department of Electrical and Electronics Engineering, R. M. K. Engineering College,Chennai, Tamil Nadu, India , M. Gayathri ,E&Y LLP,"Early Screening Of Covid-19 Pneumonia Patients Using X-Rays By The Developed Artificial Intelligence System", Turkish Online Journal of Qualitative Inquiry (TOJQI) , Volume 12, Issue 5, May 2021: 2192-2203. 16. M.S. Kavitha,M. Maadhavan,C. Karthick,K. Nithish Kumar,S. Mohit Aksha, Department of Electrical and Electronics Engineering, R. M. K. Engineering College,Chennai, Tamil Nadu, India ,G. Praveen Kumar, Space Machines, Australia" Robotic Cubes for the Intellectual Simulation of Kids", Geintec- Gestao Magazine Innovation and
--	---

	<p>Technologies,ISSN: 2237-0722 Vol. 11 No. 4 (2021),Page no: 3388 to 3399.</p> <p>17. M.S. Kavitha,S. Navin Vaishnav,U. Nikhil Surendar,R. Mohamed Atheeq,G.R. Lokgesh, Department of Electrical and Electronics Engineering, R. M. K. Engineering College,Chennai, Tamil Nadu, India,E. Santosh,VRsavvy" Knock based Security Console with Fingerprint Sensor", Geintec- Gestao Magazine Innovation and Technologies,ISSN: 2237-0722 Vol. 11 No. 4 (2021),Page no: 3400 to 3412.</p> <p>18. Suresh, Kumar R; Mahalakshmi, P; Jothilakshmi, R; Kavitha, M S; Balamuralitharan, S,"Video Saliency Detection by using an Enhance Methodology Involving a Combination of 3DCNN with Histograms" International Journal of Computers, Communications and Control; Oradea, ISSN 1841-9844, ISSN-L 1841-9836, Volume: 17, Issue: 2, Month: April, Year: 2022 Article Number: 4299, https://doi.org/10.15837/ijccc.2022.2.4299</p> <p>19. M.S.Kavitha, J.Jayaseelan,J.S.Mohammad Sajid,K.Pravin,J.Raahul,"Wireless Power Transmission for Electric Vehicle",Mathematical Statistician and Engineering Applications, ISSN 2094-0343 2326-9865,Page No:5929-5935,Volume 71 No.4(2022)</p> <p>20. P.Mahendran,M.S.Kavitha,R.Radhika and C.Kotteeswaran,"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",Concurrent and computation: Practice and Experience,ISSN-02 January 2023,Volume -35,Issue-6, https://doi.org/10.1002/cpe.7575</p> <p>21. Y.M.Blessy,V S Prabhu, M Perarasi,J. Jasmine Hepzhipah,B Sarala, M S Kavitha,T D Subha," Complex Leap Collection based CNN Method Using Jamming Detection in Wireless IoT Networks", European Chemical Bulletin, Volume -12, Special Issue-2 (May 2023)ISSN:2063-5346,Page No:1953-1966 , DOI: 10.48047/ecb/2023.12.s2.248</p> <p>22. A.Darwin Nesakumar,M.S.Kavitha,B.Sarala,J.Jasmine Hephzipah, R.Pavaiyarkarasi,M Perarasi,T D Subha," Optimal Algorithm for power assignments in OFDM form of Cognitive Radio Technique", Journal of Intelligent & Fuzzy Systems, Volume -12, Special Issue-2 (2023), ISSN:2063-5346,Page No:1929-1937 DOI: 10.31838/ecb/2023.12.s2.247</p> <p>23. N.Karthikeyan,Gugan.I,Kavitha M S, Karthik.S," An effective ontology-based query response model for risk assessment in urban flood disaster management", Journal of Intelligent & Fuzzy Systems, Volume -44, Issue-3 (April 2023),Page No:5163-5178 DOI: 10.3233/JIFS-223000</p>	
<p>Papers Presented in Conferences</p>	<p>Overall : 5</p>	<p>24. After Joining RMK :5</p>

(Scopus / WoS indexed only)		
Ph.Ds / Projects Guided	Ph.Ds Guided : -	Student Projects Guided :36
Books Published:	Count :2	
	List: 1. Electric Circuit Analysis,ISBN: 978-93-95405-78-2,2022 2. Microprocessors and Microcontrollers, ISBN:978-93-5757-004-6,2023	
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 :3
	List : <ol style="list-style-type: none"> 1. Obtained 10th rank in AU in PG Programme 2. Best Project Award by IEI 3. Academic Excellence Award by SIPH
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