


FACULTY PROFILE

Name of Teaching Staff / RMK ID	T0993_V.RAMKUMAR		
Designation	ASSISTANT PROFESSOR		
Department	ECA		
Date of Joining the Institution	14.06.2019		
Qualifications	M.E.,(Ph.D)		
Total Experience	Overall : 8 years 6 months	in RMK : 5.6 years	
Papers Published in Journal	Overall : 24	After Joining RMK :19	
List of Papers Published	<ol style="list-style-type: none"> 1. Paper has been published by International Journal of Applied Engineering Research (IJAER), Feb 2015, (Annexure – II), titled “Analysis of different wearable textile substrates using aperture coupled microstrip patch antenna for ISM Band”. 2. Paper has been published by International Journal of Applied Engineering Research (IJAER), Feb 2015, (Annexure – II), titled “Performance Enhancement and Implementation of Aperture Coupled Fractal Antenna for WiMAX and WLAN Application”. 3. Paper has been published by ICTACT Journal for Communication Technology in July 2015 titled “Design and Implementation of I-Shaped Aperture Coupled Multilayer Stacked Microstrip Patch Antenna for WLAN Applications 4. Paper has been published by International Journal of scientific research and review in March 2019 titled “Aperture coupled E-shape Patch Antenna for Integration into different Wearable textile substrates”. 5. Paper has been published by International Journal of scientific research and review in March 2019 titled “Energy Efficient cluster head selection using Wireless sensor network” 6. Paper has been published by International Journal of Innovative Technology and Exploring Engineering (IJITEE) in November 2019 titled IoT Based Horn Control and Oil Purity Monitoring System in Vehicles ISSN: 2278-3075 (Online), Volume-9 Issue-1, November 2019. 7. Paper has been published by International Journal of Recent Technology and Engineering (IJRTE) Microstrip Spork Patch Antenna for Integration Into Wearable 		

	<p>Textile Substrates for ISM Band Applications ISSN: 2277-3878, Volume-8, Issue-4, November 2019</p> <p>8. Paper has been published by International Journal of Innovative Technology and Exploring Engineering (IJITEE) Secured Banking using Multilevel Authentication by Face Recognition and SIM Card Verification for ATMs ISSN: 2278-3075, Volume-9 Issue-3, January 2020</p> <p>9. Paper has been published by Test Engineering and management Attack Localization Task Allocation Based Scheme for Implantable Medical Devices January-February 2020 ISSN: 0193-4120 Page No. 8902 – 8907</p> <p>10. Paper has been published by European Journal of Molecular & Clinical Medicine titled A REVIEW ON VARIOUS SEGMENTATION TECHNIQUES IN IMAGE PROCESSING ISSN 2515-8260 Volume 7, Issue 4, 2020</p> <p>11. Paper has been published by European Journal of Molecular & Clinical Medicine titled Aperture Coupled Technique Using Triangular Shape Patch Antenna for Integration into Different Wearable Textile Substrate, ISSN 2515-8260 Volume 7, Issue 4, 2020</p> <p>12. Paper has been published by European Journal of Molecular & Clinical Medicine titled Density Based Traffic Signal Using Arduino and RFID System ISSN 2515-8260 Volume 7, Issue 4, 2020</p> <p>13. Paper has been published by European Journal of Molecular & Clinical Medicine titled Identification and Detection of Plant Diseases by Convolutional Neural Networks ISSN 2515-8260 Volume 7, Issue 4, 2020</p> <p>14. Paper has been published by European Journal of Molecular & Clinical Medicine titled Design and Implementation of EBG Antenna Structure Using Aperture Coupled Feeding Technique for C- Band Applications ISSN 2515-8260 Volume 7, Issue 4, 2020</p> <p>15. Paper has been published by European Journal of Molecular & Clinical Medicine titled Plant Disease Identifier Using K-Means and GLSM in Convolution Neural Network ISSN 2515-8260 Volume 7, Issue 4, 2020</p> <p>16. Paper has been published by IEEE Proceedings titled Design of A Compact Dual band Microstrip Reconfigurable Antenna For WLAN/WiMAX Application 2021 Fifth International Conference on I-SMAC (IoT in Social, Mobile, Analytics and Cloud) (I-SMAC) 10.1109/I-SMAC52330.2021.9640714 20 December 2021.</p> <p>17. Paper has been published by IOP Conference Series: Materials Science and Engineering Design of Miniaturized Antenna Array for Microwave Imaging Application International Virtual Conference on Robotics, Automation, Intelligent Systems and Energy (IVC RAISE 2020) 15th December 2021.</p>
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	<p>18. Paper has been published by Turkish Online Journal of Qualitative Inquiry (TOJQI) Design and Analysis of Wearable Textile Jean Antenna for ISM Band Applications Volume 12, Issue 5, May 2021: 2442 – 2447.</p> <p>19. Paper has been published by Turkish Online Journal of Qualitative Inquiry (TOJQI) Smart And Safely Compartments For Passengers Volume 12, Issue 5, May 2021: 2442 – 2447.</p> <p>20. Paper has been published by IEEE Xplore Design and Implementation of a Continuous Industrial Monitoring System with the Integration of Augmented Reality , March 17 2023.</p> <p>21. Paper has been published by IEEE Xplore Design of Elliptical to Circular Dielectric Resonator Antenna for Microwave Imaging Application ,27 February 2023</p> <p>22. Paper has been published by IEEE Xplore Efficient Search Strategies in Selecting the Best Cluster Heads with Gray Wolf Optimization Based Clustering Technique in WSN 03 April 2023</p> <p>23. Paper has been published by IEEE Xplore IoT Based Health Machine for COVID-19, 17 March 2023</p> <p>24. Paper has been published by IEEE Xplore An Efficient Beam Splitter Scheme for Optimization Based on Modified Optical Wireless Power Transmission Mechanism, 10 April 2023</p>	
Papers Presented in Conferences (Scopus / WoS indexed only)	Overall : 15	After Joining RMK :10
Ph.Ds / Projects Guided	Ph.Ds Guided : NIL	Student Projects Guided :24
Patents	Published Count :6 Granted Count :0	
	List: <ol style="list-style-type: none"> 1. Smart Intrusion discovery systems using ML for cyber threats in IoT Networks. 2. Zigbee & Microcontroller based multi sensors artificial intelligent technique for Gas Identification. 3. FPGA Based Remote Smart speaker for Agriculture system. 4. Automated IRIS recognition based authentication and gender classification using neural networks. 5. A Smart VLSI Implementation of Built in self –test based on safe scan cell logic using Verilog and modalism. 6. IoT Based Automatic water clarity measurement system powered by solar cells. 	

Professional Memberships	Count :3
	List: <ol style="list-style-type: none"> 1. INDIAN SOCIETY FOR TECHNICAL EDUCATION- Life Time Member from 2019. 2. International Association of Engineers- Life Time Member from 2015. 3. SCIENTIFIC INTERNATIONAL PUBLISHING HOUSE 2023- Life time member from 2023.
Consultancy Projects Completed	Count :2
Awards Received	Count :4
	List: <ol style="list-style-type: none"> 1. Anna University –Rank holder in P.G. 2. IET Best Faculty Advisor Award OCT 2022 3. National Education Excellence Achievers Award Navbharat Rashtriya Gyanpeeth 2022 4. Young Researcher Award through Scientific international publishing house 2023
Orchid Link / ID	ID : 0000-0002-3764-6302
Google Scholar Link / ID	ID : QQ39pSYAAAAJ
Vidwan Link / ID	ID : 305307
Research Gate Link / ID	ADD-5465-2022
Scopus Link / ID	ID : 56585579400