


## FACULTY PROFILE

<b>Name of Teaching Staff / RMK ID</b>	Ms. Praveena B / T0863		 19.01.2021
<b>Designation</b>	Assistant Professor		
<b>Department</b>	B.E. Electronics and Communication Engineering		
<b>Date of Joining the Institution</b>	16.05.2015		
<b>Qualifications</b>	M.E. Applied Electronics	(Ph.D)	
<b>Total Experience</b>	Overall: 8 Years 1 Months	in RMK: 8 Years 1 Months	
<b>Papers published in Journal</b>	Overall: 15	After Joining RMK: 15	
<b>List of Papers Published</b>	<ol style="list-style-type: none"> <li>1. Published Paper entitled “Design of spatial filter for fused CT and MRI brain images” in IEEE Xplore, pp. 1-6, doi:10.1109/ICACCS.2015.7324137, 2015.</li> <li>2. Published Paper entitled “Monitoring and Control of Escalator using IoT with Renewable Power Generation” in a Journal IJRIAS, 2018.</li> <li>3. Published Paper entitled “Image Recognition CUM Finger Print Analysis Using Internet of Things” in an International Journal of Advances in Engineering and Emerging Technology (IJAEET), Vol. 10, No. 1, March 2019.</li> <li>4. Published Paper entitled “Dynamic Vision Sensor Based High Efficiency Device Control” in an International Journal of Innovative Technology and Exploring Engineering (IJITEE), ISSN: 2278-3075, Volume-9 Issue-1S, November 2019.</li> <li>5. Published Paper entitled “Monitoring of Transformer and Generator using IoT” in an International Journal of Advanced Science and Technology, Volume-29, Issue-9, 2020.</li> <li>6. Published Paper entitled “Smart Waste Management Using Internet of Things” in Solid State Technology, Volume-63, Issue-5, pp-722-723, 2020.</li> <li>7. Published Paper entitled “The Integrum Domum Automation using IoT with Captiosus security and Face Recognition system” in HTL Journal, ISSN: 1006-6748, Volume-26 Issue-9, September 2020.</li> <li>8. Published Paper entitled “Astute Energy Supervising using Machine Learning” in HTL Journal, ISSN: 1006-6748, Volume-26 Issue-9, September 2020.</li> <li>9. Published Paper entitled “Smart Mirror Information System Using IoT” in Springer Nature Singapore, Inventive Computation and Information Technologies: Proceedings of ICICIT 2021, pp-631-640, 2022.</li> </ol>		

	<p>10. Published Paper entitled “Automatic Drainage Monitoring and Alert System Using IoT” in Springer Nature Singapore, Inventive Computation and Information Technologies: Proceedings of ICICIT 2021, pp-747-758, 2022.</p> <p>11. Published Paper entitled “IoT Based Water Showering Mechanism in Agriculture” in IEEE Xplore, pp. 1-3, doi: 10.1109/ICPECTS56089.2022.10047817, 2022.</p> <p>12. Published Paper entitled “Yolo for Detecting Plant Diseases” in IEEE Xplore, pp. 1029-1034, doi:10.1109/ICAIS56108.2023.10073875, 2023.</p> <p>13. Published Paper entitled “Construction of Supervised Learning Model for Crop prediction based on Environmental Condition” in IEEE Xplore, pp. 1-7, doi: 10.1109/ICICACS57338.2023.10099661, 2023.</p> <p>14. Published Paper entitled “Augmented Reality-based Smart Home Automation using Dynamic Vision Sensor” in IEEE Xplore, pp. 884-887, doi:10.1109/ICIDCA56705.2023.10099860, 2023.</p> <p>15. Published Paper entitled “Robotic Accident Prevention and Alert System for Visually Impaired” in IEEE Xplore, pp. 672-675, doi:10.1109/ICDT57929.2023.10150923, 2023.</p>	
<b>Papers Presented in Conferences (Scopus / WoS indexed only)</b>	Overall: 8	After Joining RMK: 8
<b>Ph.Ds / Projects Guided</b>	Ph.Ds Guided: Nil	Student Projects Guided: 56
<b>Books Published:</b>	Count: Nil	
	List: Nil	
<b>Patents</b>	Published Count: 3	Granted Count: Nil
	List: 1) Title: Automatic Access Control system using Deep Learning for COVID-19, Publication Date – 3/07/2021 2) Title: Anti-Snooze Device, Publication Date – 13/05/2022 3) Title: Affordable UAV Fertilizer Distributor, Publication Date –13/05/202	
<b>Professional Memberships</b>	Count: 3	
	List: Instrument Society of India Indian Society for Technical Education Indian Society of Systems for Science & Engineering	
<b>Consultancy Projects Completed</b>	Count: 3	
<b>Awards Received</b>	Count: Nil	
	List: Nil	

<b>Research grants Received</b>	Nil
<b>Orchid Link / ID</b>	<a href="https://orcid.org/0000-0002-5013-0968">https://orcid.org/0000-0002-5013-0968</a>
<b>Google Scholar Link / ID</b>	<a href="https://scholar.google.co.in/citations?user=NYWI0NoAAAAJ&amp;hl=en">https://scholar.google.co.in/citations?user=NYWI0NoAAAAJ&amp;hl=en</a>
<b>Vidwan Link / ID</b>	<a href="https://vidwan.inflibnet.ac.in/profile/309978">https://vidwan.inflibnet.ac.in/profile/309978</a>
<b>Research Gate Link / ID</b>	<a href="https://www.researchgate.net/profile/Praveena-Babu-Jawahar-2">https://www.researchgate.net/profile/Praveena-Babu-Jawahar-2</a>
<b>Scopus Link / ID</b>	<a href="https://www.scopus.com/authid/detail.uri?authorId=57119893200">https://www.scopus.com/authid/detail.uri?authorId=57119893200</a>