


## FACULTY PROFILE

<b>Name of Teaching Staff / RMK ID</b>	<b>B. BHARATHI / T1058</b>			
<b>Designation</b>	Assistant Professor			
<b>Department</b>	Computer Science and Engineering			
<b>Date of Joining the Institution</b>	08.09.2021			
<b>Qualifications</b>	B.E(CSE)	M.E(CSE)	Pursuing Ph.D	
<b>Total Experience</b>	Overall: 3 Years 10 months		in RMK: 3 Year 10 months	
<b>Papers Published in Journal</b>	Overall: 2		After Joining RMK: 2	
<b>List of Papers Published</b>	<p>S Bhavanisankari, Geetha D, V. Sasirekha, <b>B. Bharathi</b>, S. Nikkath Bushra, "Methods of Using Artificial Intelligence to Detect the Boundaries of Melanoma", Cardiometry, Issue No. 26, February 2023, pp. 573-579, DOI: 10.18137/cardiometry.2023.26.573579.</p> <p>Raman Latha, Saravanan Sriram, <b>Balu Bharathi</b>, John Bennilo Fernandes, Ayalapogu Ratna Raju, Kannan Boopathy, Subbiah Murugan, "Enhanced performance and efficiency of robotic autonomous procedures through path planning algorithm ", Indonesian Journal of Electrical Engineering and Computer Science, Vol 39,pp.214-224,DOI: <a href="http://doi.org/10.11591/ijeecs.v39.i1.pp214-224">http://doi.org/10.11591/ijeecs.v39.i1.pp214-224</a></p>			
<b>Papers Presented in Conferences</b> (Scopus / WoS indexed only)	Overall: 9		After Joining RMK: 9	
<b>Ph.Ds / Projects Guided</b>	Ph.Ds Guided:		Student Projects Guided: 5	
<b>Patents</b>	Published Count: 9		Granted Count:	
	<p>List:</p> <ol style="list-style-type: none"> <li>1. A method by implementing artificial intelligence for diagnosing patients in hospitals, 2022.</li> <li>2. An AI based neural network system for diagnosis of COVID based on ANN using optimal prediction variables, 2023.</li> <li>3. An AI based agriculture ROBOT for real-time monitoring the crops, 2023.</li> </ol>			

	<p>4. An event management system with enhanced communication to guests according to venue using artificial intelligence, 2024.</p> <p>5. A method for identifying hidden patterns in large datasets using deep learning techniques, 2024.</p> <p>6. Workflow scheduling in Fog-Cloud computing using a Quantum Genetic Algorithm, 2024.</p> <p>7. Integrated IOT And Drone-Based System For Smart Port Management And Logistics Optimization, 2025.</p> <p>8. IOT-Controlled Smart Farming System Utilizing Silicon-Based LED Lamps, 2025.</p> <p>9. IOT-Enabled Automated Oxygen Supply for Real-Time Monitoring and Adaptive Delivery, 2025.</p>
<b>Professional Memberships</b>	Count: 1
	List: 1. ISTE (The Indian Society for Technical Education)
<b>Consultancy Projects Completed</b>	Count: 5
<b>Orcid Link / ID</b>	ID: <a href="https://orcid.org/0009-0001-1068-996X">https://orcid.org/0009-0001-1068-996X</a>
<b>Google Scholar Link / ID</b>	ID: yAYyFrkAAAAJ
<b>Vidwan Link / ID</b>	ID: 305381
<b>Research Gate Link / ID</b>	ID: <a href="https://www.researchgate.net/profile/B-Bharathi-5">https://www.researchgate.net/profile/B-Bharathi-5</a>
<b>Scopus Link / ID</b>	ID: 57224465868 <a href="https://www.scopus.com/authid/detail.uri?authorId=57224465868">https://www.scopus.com/authid/detail.uri?authorId=57224465868</a>