


## FACULTY PROFILE

<b>Name of Teaching Staff / RMK ID</b>	Mr. Shyam M /T0842		
<b>Designation</b>	Assistant Professor		
<b>Department</b>	Electronics and Communication Engineering		
<b>Date of Joining the Institution</b>	14.05.2014		
<b>Qualifications</b>	M.E. (Applied Electronics)	B.E. (ECE)	
<b>Total Experience</b>	Overall : 10 Years 9 Months	in RMK : 9 Years 0 Months	
<b>Papers Published in Journal</b>	Overall : 11	After Joining RMK : 11	
<b>List of Papers Published</b>	<ol style="list-style-type: none"> <li>1. <b>M.Shyam</b>, S.Karthick, M.Ramesh Babu, B.Jeyapoornima, <i>“Stability Analysis of Integrated Power System with Renewable Energy Sources ”</i>, IEEE Xplore Digital Library – Second international Conference on Electronics and Renewable Energy Sources, 2023.</li> <li>2. <b>M.Shyam</b>, M.Dharmeshwaran, L.Saravanan ,P.Sharmila, <i>“An Energy-Efficient Cluster Routing Protocol for Wireless Networks Based on Blended Optimization technique ”</i>, IEEE Xplore Digital Library - International Conference on Artificial intelligence and Knowledge Discovery in Concurrent Engineering (ICECONF) , 2023.</li> <li>3. <b>M.Shyam</b>, N.Pavithra, P.Priyadharshini, S.Sakthi Priya, <i>“Photo Paper Based Microstrip Patch Antenna for Telemedicine Application ”</i>, IEEE Xplore Digital Library - 2<sup>nd</sup> International Conference on Technological Advancements in Computational Sciences (ICTACS), 2022.</li> <li>4. <b>M.Shyam</b>, K.Srinithy, S.Srinidhi, S.Sivaranjani, <i>“Design and Development of a Neoteric Predictive Maintenance Technique Implemented through Comparative Analysis of ML Algorithms to reduce machine failure”</i>, Turkish Online Journal of Qualitative Inquiry (TOJQI), Volume 12,Issue 5, pp-2408-2418, ISSN 1309-6591, 2021.</li> <li>5. <b>M.Shyam</b>, Chekradhar V, Chittagati Dinesh, C.Sreenivasalu Reddy, <i>“State-of-the-Art CONTACT TRACER device to identify Covid infections and secure persons through social distancing”</i>, Turkish Online Journal of Qualitative Inquiry (TOJQI), Volume 12,Issue 3, pp-2408-</li> </ol>		

	<p>2418, ISSN 1309-6591, 2021.</p> <p>6. <b>M.Shyam</b>, S.Meenakshi, T.Kaviya, L.C.Bhavana, <i>“An Idiosyncratic Rear End Collision Avoidance Technique Entailing CAN Protocol for Comprehensive Conveyances”</i>, European Journal of Molecular and Clinical Medicine (EJMCM), Volume 7, Issue 4, pp-2478-2488, ISSN 2515-8260, 2020.</p> <p>7. <b>M.Shyam</b>, R.Sathya Vignesh, S.Jagadeesh Babu, A.Sivakumar, <i>“Design of Novel Plastic Solar Cells Involving Nanotechnology and Screen-Printing Technique for Maximum Energy Harness”</i>, European Journal of Molecular and Clinical Medicine (EJMCM), Volume 7, Issue 4, pp-1389-1401, ISSN 2515-8260, 2020.</p> <p>8. S.Jagadeesh Babu, <b>M.Shyam</b>, A.Sivakumar, R.Sathya Vignesh, <i>“Ergonomic heavy-lift pesticide dispeller drone instilled with an intelligent atomizer to achieve optimal spray and improved pest control”</i>, European Journal of Molecular and Clinical Medicine (EJMCM), Volume 7, Issue 4, pp-1308-1313, ISSN 2515-8260, 2020.</p> <p>9. <b>M.Shyam</b>, A.Sivakumar, R.Sathya Vignesh, <i>“Vehicular Speed Regulation through Autonomous Braking System Embedded with Smart Insurance Facility using IoT”</i>, International Journal of Recent Technology and Engineering (IJRTE), Volume 8, Issue 5, pp-1809-1814, ISSN 2277-3878, 2020.</p> <p>10. A.Sivakumar, <b>M.Shyam</b>, R.Sathya Vignesh, <i>“Implementation of Novel Image Restoration Technique from High Density Impulse Noise through Adaptive Max-Min Filter”</i>, International Journal of Recent Technology and Engineering (IJRTE), Volume 9, Issue 2, pp-2326-2328, ISSN 2277-3878, 2019.</p> <p>11. R.Sathya Vignesh, A.Sivakumar, <b>M.Shyam</b>, <i>“Deep Reinforcement Learning Based Weather Monitoring System using Arduino for Smart Environment”</i>, International Journal of Recent Technology and Engineering (IJRTE), Volume 9, Issue 2, pp-4346-4350, ISSN 2277-3878, 2019.</p>	
<b>Papers Presented in Conferences</b> (Scopus / WoS indexed only)	Overall : 07	After Joining RMK : 07
<b>Ph.Ds / Projects Guided</b>	Ph.Ds Guided : Nil	Student Projects Guided : 19
<b>Patents</b>	Published Count : 01	
	Granted Count : Nil	
	List : 1. Intelligent E-Vehicle Charging Station Based on Internet of	

	Things [IoT]
<b>Professional Memberships</b>	Count : 3
	List: 1. Life Member of ISTE (Indian Society of Technical Education) 2. Life Member of ISSE (Indian Society for Science and Engineering) 3. Life Member of IAENG (International Association of Engineers)
<b>Consultancy Projects Completed</b>	Count : 02
<b>Awards Received</b>	Count : 01
	List: 1. Innovate Challenge – Texas Instruments
<b>Orchid Link / ID</b>	ID : <a href="https://orcid.org/my-orcid?orcid=0000-0002-9038-6810">https://orcid.org/my-orcid?orcid=0000-0002-9038-6810</a>
<b>Google Scholar Link / ID</b>	ID : <a href="https://scholar.google.com/citations?user=6YNN2VIAAAAJ&amp;hl=en">https://scholar.google.com/citations?user=6YNN2VIAAAAJ&amp;hl=en</a>
<b>Vidwan Link / ID</b>	ID : 305299
<b>Research Gate Link / ID</b>	<a href="https://www.researchgate.net/profile/Shyam-Muthukumar">https://www.researchgate.net/profile/Shyam-Muthukumar</a>
<b>Scopus Link / ID</b>	ID : <a href="https://www.scopus.com/dashboard.uri">https://www.scopus.com/dashboard.uri</a>