

## FACULTY PROFILE

<b>Name of Teaching Staff / RMK ID</b>	 <b>Ms.S.Karkuzhali / T1145</b>		
<b>Designation</b>	Assistant Professor		
<b>Department</b>	Science and Humanities (GE)-EEE		
<b>Date of Joining the Institution</b>	11.07.2024		
<b>Qualifications</b>	M.E	MISTE	(Ph.D.)
<b>Total Experience</b>	Overall: <b>18</b> Years <b>10</b> Months		in RMK: <b>14</b> Years <b>3</b> 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. Examination on Classification of EVs and Energy Management Strategies of HEV</li> <li>2. Closed Loop Control of PV System Using Grey Wolf Optimization Algorithm under Partial Shading Condition</li> <li>3. Construction Progress Monitoring In Smart Cities Using Deep Alexnet</li> <li>4. A Design of an Effective Methodology to Detect Glaucoma Disease using Intelligent Learning Strategy</li> <li>5. Design and Development of an Efficient Classification Model to Suggest Videos based on Artificial Intelligence Association</li> <li>6. Energetic Content based Image Retrieval Scheme using Improved Deep Learning Strategy with Image Analysis Technique</li> <li>7. A Comprehensive Evaluation of Driver Drowsiness Identification System using Camera based Improved Deep Learning Methodology</li> <li>8. LiFi-Voice: Experimental Analysis of Novel Voice/Audio Communication Methodology using Visible Light Communication</li> <li>9. An Indeterminate Configuration for Energy Management in FCHEV System</li> <li>10. Autophase sequence corrector with IOT based power management system</li> <li>11. Triple stage security for bank lockers using biometric authentication system</li> </ol>		

<b>Papers Presented in Conferences</b>	Overall: 11	After Joining RMK: 9
<b>Ph.Ds / Projects Guided</b>	Ph.Ds Guided : NA	Student Projects Guided: 25
<b>Books Published :</b>	Count : 3	
	List : <ol style="list-style-type: none"> <li>1. Electronic Devices</li> <li>2. Wireless Network</li> <li>3. Knowledge-based earth monitoring and prediction systems</li> <li>4. Payment Using NFC Tag For Charging Of Electric Vehicles With Prediction In A Solar Assisted Charging Station</li> </ol>	
<b>Patents</b>	Published Count: 2	Granted Count: NIL
	List : <ol style="list-style-type: none"> <li>1. Smart Band for Women's Safety with Self Defence</li> <li>2. Women Safety System with Nerve Stimulator</li> </ol>	
<b>Professional Memberships</b>	Count : 03	
	List : <ol style="list-style-type: none"> <li>1. The Indian Society for Technical Education (ISTE)</li> <li>2. Institute for Engineering Research and Publication (IFERP)</li> <li>3. International Association of Engineers (IAENG)</li> </ol>	
<b>Consultancy Projects Completed</b>	Count : 04	
<b>Awards Received</b>	Count :05	
	List : <ol style="list-style-type: none"> <li>1. Anna University Gold Medalist (University Third Rank)</li> <li>2. Received "STANDARD A CHELLADURAI MEMORIAL GOLD MEDAL" at Mepco Schlenk Engineering College, Sivakasi</li> <li>3. Top 1 % of Certified Candidates in Electric Vehicles-Part-1 NPTEL</li> <li>4. Elite - Introduction to Smart Grid (NPTEL)</li> <li>5. Elite - Python for Data Science (NPTEL)</li> <li>6. Reviewer of IEEE Conference</li> </ol>	

<b>Research grants Received</b>	NIL
<b>Orchid Link / ID</b>	ID: 0000-0002-6729-052X
<b>Google Scholar Link / ID</b>	ID: Ditl0vkAAAAJ
<b>Vidwan Link / ID</b>	ID: Profile URL: <a href="https://vidwan.inflibnet.ac.in/profile/273926">https://vidwan.inflibnet.ac.in/profile/273926</a>
<b>Research Gate Link / ID</b>	CAH-2927-2022
<b>Scopus Link / ID</b>	ID: 57221221738