


## FACULTY PROFILE

Name of Teaching Staff / RMK ID	P KAVITHA / T0455			
Designation	ASSOCIATE PROFESSOR			
Department	Electrical and Electronics Engineering			
Date of Joining the Institution	15.12.2006 (Regular Faculty)			
Qualifications	B.E – EEE (Regular)	M.E – Control & Instrumentation (Regular)	Ph.D - Modeling and analysis of Switched Reluctance Machine with sinusoidal excitation (Part time)	
Total Experience in RMK	26.4 Years			
Total Experience Overall	17 Years			
Papers Published in Journal	Overall : 13		After Joining RMK : 13	
List of Papers Published	<div>1. Kavitha P , Niitha J, Prabhavathy D, Vanisha E, Ganesh Moorthy G; Implementation of Accident Avoidance Driving Assistance Systems for Hairpin Curves and Foggy Areas of Mountain Roads using Arduino” Turkish Online Journal of Qualitative Inquiry (TOJQI); Volume 12, Issue 5, May 2021: 2232- 2239</div> <div>2. Kavitha P; Gokul R; Naveenkumar V; Yukesh M; Ganeshmoorthy G, "Sizing and Research of Battery System and Renewable Energy in Residential Microgrids," 2022 Fourth International Conference on Emerging Research in Electronics, Computer Science and Technology (ICERECT), Mandya, India, 2022,pp.1-8,doi: 10.1109/ICERECT56837.2022.10060074.</div> <div>3. P. Kavitha; Swytha S Varsha K;Sruthi R “Microcontroller based Automatic irrigation and fertilisation system using soil moisture sensor and pH sensor” Material Science and Engineering, ISSN 1757-899X, doi:10.1088/1742-6596/1964/5/052003</div> <div>4. P. Anantha Christu Raj, P. Kavitha, S. Sophia, K. Thilagam, V. Devi, J. Mohammed Feros Khan, "IoT based stir casting system of aluminium MMC",Materials Today: Proceedings, Volume 45, Part 2, 2021, Pages 2818-2820, ISSN 2214-7853, <a href="https://doi.org/10.1016/j.matpr.2020.11.803">https://doi.org/10.1016/j.matpr.2020.11.803</a>.</div> <div>5. Mr.Thiyagesan M, Magesh T, Kavitha P, Alexander Jeevanantham Y, Nareshkumar K “Simulation and Study of Effects of Photovoltaic System under Partially Shaded Conditions” TEST Engineering Management &amp; Management, Vol 82, Feb 2020, ISSN: 0193 - 4120 Page No. 14894 – 14897</div>			

	<p>6. Mr.S.Balamurugan, Suganya J Kavitha P, Analysis of PMSG based variable speed micro wind turbine” TEST Engineering Management &amp; Management, Vol 82, Feb 2020, ISSN: 0193 – 4120 Page No. 8175 -8179</p> <p>7. Magesh T, Kavitha P, Thiyageesan , “Maximum Power Extraction from Active Pitch Controlled Standalone Variable Speed Wind Turbine” International Journal of Innovative Technology and Exploring Engineering, Volume-9 Issue-02, December 2019</p> <p>8. R.Chtihakkannan, P.Kavitha, T.Mangayarkarasi, R.Karthikeyan, “Breast Cancer Detection using Machine Learning “,International Journal of Innovative Technology and Exploring Engineering, Volume-8 Issue-11, September 2019</p> <p>9. K.P.Dinesh , K.Babukumar , M.KaranKumar , M.D.Sathishkumar , Dr.P. Kavitha, “A Novel and Cost Effective IoT Based System for Handling Garbage using Smart Bin”, International Journal of Recent Engineering Research and Development (IJRERD), No. 02, PP. 75-80, 2017</p> <p>10. P Kavitha, B Umamaheswari ,”R dump converter without DC link capacitor for an 8/6 SRM: experimental investigation”- The Scientific World Journal, 2015</p> <p>11. P Kavitha, B Umamaheswari , “Speed Control of Sinusoidally Excited Switched Reluctance Motor using Fuzzy Logic Control, Journal of Theoretical and Applied Information Technology, 2014.</p> <p>12. P. Kavitha and B. Umamaheswari, ‘Bus Synchronized Matrix Converter Fed Switched Reluctance Machine in Motoring and Generating Modes of Operation”, International Journal of Soft Computing, 2012,</p> <p>13. P Kavitha, B Umamaheswari, “Matrix Converter fed Switched Reluctance Motor-An Experimental Investigation”, International Journal of Electrical, Electronics and Computer Engineering 1(2): 60-65, 2012</p>	
<b>Papers Presented in Conferences</b> (Scopus / WoS indexed only)	Overall : 4	After Joining RMK :4
<b>Ph.Ds / Projects Guided</b>	Ph.Ds Guided :-	Student Projects Guided : 10
<b>Books Published :</b>	Count : 2	
	List : List : 1. Circuit Theory 2. Electron devices and Circuit theory	
<b>Patents</b>	Published Count : 1	Granted Count :
	List : 1. Bionic Eye – Visual Cortical Prosthesis System	
	Count : 2	

<b>Professional Memberships</b>	List : ISTE (LIFETIME MEMBER) ISOI (LIFETIME MEMBER)
<b>Consultancy Projects Completed</b>	Count : 2
<b>Awards Received</b>	Count : 1
	List : Best faculty award (IEI) Best advisor award (IEI)
<b>Research grants Received</b>	NIL
<b>Orchid Link / ID</b>	ID : <a href="https://orcid.org/0000-0002-4398-3196">https://orcid.org/0000-0002-4398-3196</a>
<b>Google Scholar Link / ID</b>	ID : <a href="https://scholar.google.com/citations?user=Vpvjsn8AAAAJ&amp;hl=en">https://scholar.google.com/citations?user=Vpvjsn8AAAAJ&amp;hl=en</a>
<b>Vidwan Link / ID</b>	ID : 305321
<b>Research Gate Link / ID</b>	-
<b>Scopus Link / ID</b>	ID : <a href="https://www.scopus.com/sources.uri">https://www.scopus.com/sources.uri</a>