


FACULTY PROFILE

Name of Teaching Staff / RMK ID	THIYAGESAN M / T0821			
Designation	ASSISTANT PROFESSOR			
Department	Electrical and Electronics Engineering			
Date of Joining the Institution	30.05.2014 - Regular Faculty			
Qualifications	B.E – EEE (Regular)	M.E – Power Electronics & Drives (Regular)	Ph.D - Pursuing (Part Time)	
Total Experience in RMK	9 Years	7 Months		
Total Experience Overall	11 Years	8 Months		
Papers Published in Journal	Overall : 21	After Joining RMK : 21		
List of Papers Published	<div>1. Published a Paper titled “Three Phase Multilevel Inverter Topology With Reduced Number Of Switches”, International Journal of Applied Engineering Research, ISSN 0973-4562 Vol. 10 No.44 (2015).</div> <div>2. Published a Paper titled ,”Design and Implementation of High Power Factor ElectronicBallast with Buck Boost Converter”Proceedings of the International Conference on Intelligent Sustainable Systems (ICISS 2017).</div> <div>3. Published a Paper titled ,”Aadhaar Based Electronic Voting System And Authentication On Internet Of Things “International Journal of Innovative Research & Studies Volume 8, Issue II, FEB/2018 ISSN NO : 2319-9725.</div> <div>4. Published a Paper titled ,”Thiyagesan M, Shyam Shankaran R, Ravi M, Viswesh Kumar N, “SMART GARBAGE COLLECTOR AND DISPOSER”, INTERNATIONAL JOURNAL OF CURRENT ENGINEERING AND SCIENTIFIC RESEARCH (IJCESR),ISSN (PRINT): 2393-8374, (ONLINE): 2394-0697, VOLUME-5, ISSUE-2, 2018</div> <div>5. Published a Paper titled ,”Simulation and comparison of various MPPT techniques” , International Research Journal of Engineering and Technology (IRJET), e-ISSN: 2395-0056, Volume: 06 Issue: 03 Mar 2019 www.irjet.net p-ISSN: 2395-0072</div> <div>6. Published a Paper titled ,”Smart Bus Station Using Embedded System”, International Journal of Innovative Research in Science, Engineering and Technology, ISSN(Online): 2319-</div>			

	<p>8753, ISSN (Print) : 2347-6710, Vol. 8, Issue 3, March 2019.</p> <p>7. Published a Paper titled ,”Ground Fault Detection in Solar Panel”, IJSART - Volume 6 Issue 9 – SEPTEMBER 2020 ISSN [ONLINE]: 2395-1052.</p> <p>8. Published a Paper titled ,”Design and Modelling of Multi-Source Self-Charging Electric Bike” IOP Conf. Series: Materials Science and Engineering 994 (2020) 012012 IOP Publishing,doi:10.1088/1757-899X/994/1/012012.</p> <p>9. Published a Paper titled ,”Simulation and Study of Effects of Photovoltaic System under Partially Shaded Conditions”January - February 2020 ISSN: 0193 - 4120 Page No. 14894 - 14897</p> <p>10. Published a Paper titled, “Investigation of RSUPQC with New Converter Transformer in the Distribution Networks for the power quality Improvement”,January - February 2020 ISSN: 0193 - 4120 Page No. 14894 - 14897</p> <p>11. Published a Paper titled, “Voltage Balancing Technique in Multilevel Inverter based STATCOM”,January - February 2020 ISSN: 0193 - 4120 Page No. 14894 - 14897.</p> <p>12. Published a Paper titled, “Maximum Power Extraction from Active Pitch Controlled Standalone Variable Speed Wind Turbine”, International Journal of Innovative Technology and Exploring Engineering (IJITEE) ISSN: 2278-3075, Volume-9 Issue-2, December 2019.</p> <p>13. Published a Paper titled, “Interactive Voice controlled 3D Holographic Display”, Turkish Online Journal of Qualitative Inquiry (TOJQI) Volume 12, Issue 5, May 2021: 2343 – 2352</p> <p>14. Published a Paper titled, “Hybrid Energy Storage System For Nanogrid”, Turkish Online Journal of Qualitative Inquiry (TOJQI) Volume 12, Issue 5, May 2021: 2276-2283</p> <p>15. Published a Paper titled, “Grid Integrated Charging Station for Electric Vehicles “, REVISTA GEINTEC-GESTAO INOVACAO E TECNOLOGIAS, ISSN: 2237-0722 Vol. 11 No. 4 (2021) Received: 13.06.2021 – Accepted: 15.07.2021 https://doi.org/10.47059/revistageintec.v11i4.2372</p> <p>16. Published a Paper titled, “Optimal Integrated Design of Standalone Solar- Wind Hybrid Power System.”, (2022). <i>Mathematical Statistician and Engineering Applications</i>,71(4),5903–5909. Retrieved from https://www.philstat.org.ph/index.php/MSEA/article/view/1179</p> <p>17. Published a Paper titled, “Raspberry Pi 3 Based Self Troubleshooting Guide. <i>Mathematical Statistician and Engineering Applications</i>, 71(4), 5883–5889. Retrieved from https://www.philstat.org.ph/index.php/MSEA/article/view/1177</p> <p>18. Published a Paper titled, “Design of Smart Home Monitoring System Based on IOT and AWS. <i>Mathematical Statistician and</i></p>
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	<p><i>Engineering Applications</i>, 71(4), 6027–6035. Retrieved from https://www.philstat.org.ph/index.php/MSEA/article/view/1197</p> <p>19. Thangavelu, M., Parthiban, V.J., Kesavaraman, D. <i>et al.</i> Forecasting of solar radiation for a cleaner environment using robust machine learning techniques. <i>Environ Sci Pollut Res</i> (2022). https://doi.org/10.1007/s11356-022-24321-w</p> <p>20. S. Shreepad, L. Raja, M. Thiyagesan, Khallikkunaisa, Y. D. Dwlvedi and M. J. Kumar, "A Vulture Model Flapping - Wing with UAV Technology Based - A Novel Drone for Emergency and Safety Purpose Applications," 2022 International Conference on Power, Energy, Control and Transmission Systems (ICPECTS), Chennai, India, 2022, pp. 1-7, doi: 10.1109/ICPECTS56089.2022.10047118.</p> <p>21. SIVARAMAKRISHNAN, S.; SARAVANAN, R. AGILESH; THIYAGESAN, M.; KAMESH, VINJAMURI VENKATA; SUMATHI, J.; KUMAR, NARENDRA; KIRUBA, S. "HEXABENZOCORONENE: A MATERIAL WITH GREAT POTENTIAL FOR ECO-FRIENDLY, HIGH-PERFORMANCE OPTOELECTRONIC DEVICES." <i>Oxidation Communications</i> . 2023, Vol. 46 Issue 2, p365-375. 11p. <u>HEXABENZOCORONENE: A MATERIAL WITH GREAT POTENTIAL FOR ECO-FRIENDLY, HIGH-PERFORMANCE OPTOELECTRONIC DEVICES.</u></p>
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Papers Presented in Conferences (Scopus / WoS indexed only)	Overall : 4	After Joining RMK :4
Ph.Ds / Projects Guided	Ph.Ds Guided :	Student Projects Guided : 10

Books Published :	Count : 4	
	List :	
Patents	Published Count : 1	Granted Count :
	List :	
	Count : 1	

Professional Memberships	List : ISTE (LIFETIME MEMBER)
Consultancy Projects Completed	Count : 2
Awards Received	Count : 1
	List : ISTE BEST PROJECT AWARD
Research grants Received	
Orchid Link / ID	ID : <u>0000-0002-0143-9168</u>
Google Scholar Link / ID	ID : <u>knw-MikAAAAJ</u>
Vidwan Link / ID	ID : 305270
Research Gate Link / ID	<u>AAL-6578-2021</u>
Scopus Link / ID	ID : <u>57202970742</u>

