


FACULTY PROFILE

Name of Teaching Staff / RMK ID	Mr.S Balamurugan/T0642			
Designation	Assistant Professor (Grade-II)			
Department	Electrical and Electronics Engineering			
Date of Joining the Institution	01-06-2011 (Regular Faculty)			
Qualifications	B.E – EEE (Regular)	M.E – Power Systems Engineering (Regular)	Ph.D-(Pursuing) Part time	
Total Experience	Overall: 17 years,2 months		in RMK: 12 Years and 6 Months	
Papers Published in Journal	Overall : 14		After Joining RMK :14	
List of Papers Published	<div>1. S Balamurugan; K.J. Ganesh; M. Rohith Reddy; S. Aadarsh Teja; M J Suganya ,. “Development of Augmented Reality Application for Online Trial shopping”, IEEE Xplore, March 2023, International Interdisciplinary Humanitarian Conference for Sustainability (IIHC), Bengaluru, India,</div> <div>2. S.Balamurugan ,Chandla Ellis ,M.J.Suganya ,L Annie Isabella,” Design and modelling of a multi-carrier PWM-based cascaded H bridge 5-level inverter for a grid connection system”, Mathematical Statistician and Engineering Applications ISSN: 2094-0343 2326-9865, Page Number: 5805-5818 Publication Issue: Vol. 71 No. 4 (2022)</div> <div>3. S.Balamurugan ,Chandla Ellis ,M.J.Suganya ,L Annie Isabella,” Single Phase Cascaded H-Bridge Inverter using Multi-Carrier PWM Technique for Grid power flow”, Mathematical Statistician and Engineering Applications ISSN: 2094-0343 2326-9865, Page Number: 5890-5902 Publication Issue: Vol. 71 No. 4 (2022)</div> <div>4. S Balamurugan , S Gowthaman , K Nishanth , D Mukesh , S Nithish Kumar, ”Mileage Improvement in Electric Vehicle, Turkish Online Journal of Qualitative Inquiry (TOJQI) Volume 12, Issue 5, May 2021: 2314 – 2321.</div> <div>5. S Balamurugan , Sabari L. Umamaheswari , P Karishma , Kante Sai Lasya , M J Suganya, Shanmugaraj, “Smoothing Control of Solar and WindPower Fluctuation”, Turkish Online Journal of Qualitative Inquiry (TOJQI) ,Vol. 12 No. 7 ,July 2021</div> <div>6. S Balamurugan, K Govind , M Kamalesh , M J Jeeva Haran , and V Natarajan, “Detection of Motorcycle Theft Using</div>			

	<p>Force Sensing Resistor and Ultrasonic Sensor” Journal of Physics, July 2021, doi:10.1088/1742-6596/1964/5/052006</p> <p>7. S Balamurugan, J S Shalini , M Snehitha , M R Tharuna Abinaya , P M Yuvashreee, Anaemia and Polycythaemia detection Using Non-Invasive Method” , Turkish Online Journal of Qualitative Inquiry (TOJQI) Volume 12, Issue 5, May 2021: 2147-2156</p> <p>8. S.Balamurugan , Annerose M ,Bhuvaneshwari P , Keerthika MS, “Traffic Clearance System for Life Caution”, Materials Science and Engineering , June 2021, doi:10.1088/1757-899X/981/4/04208.</p> <p>9. S Balamurugan; M J Suganya, P Kavitha, “Analysis of PMSG based Variable Speed Micro Wind Turbine” , Test Engineering and Management , ISSN: 0193-4120 Page No. 8175-8179 ,Vol 82,February 2020</p> <p>10. S.Balamurugan , Aangeeras.N , Andrews.R , Bakthavachalam.D , Mathiyazhagan,” Conservation of Energy through Energy Audit, International Journal of Innovative Research in Science, Engineering and Technology, Vol. 8, Issue 3, March 2019</p> <p>11. Gomathi B , Sivakami P , Suganya M J , S.Balamurugan, “Implementation of Fan ON/OFF Control Using Internet of Things for Home Automation,International Journal Innovative Research in Science, Vol. 7, Issue 2, February 2018</p> <p>12. S Balamurugan, K J Ganesh,M Rohith Reddy,S Adharsh Teja, M.J Suganya “Development of Augmented Reality Application for online Trial shopping”,IEEE Xplore</p> <p>13. S.Balamurugan, Chandla Ellis, M.J.Suganya, L Annie Isabella “Design and modelling of a multi-carrier PWM-based cascaded H-bridge 5-level inverter for a grid connection system” Vo.71,Issue 4,2022</p> <p>14. S. Balamurugan, Chandla Ellis, M.J.Suganya, L Annie Isabella “Single Phase Cascaded H-Bridge Inverter using Multi-Carrier PWM Technique for Grid power flow” Vo.71,Issue 4,2022,</p>	
Papers Presented in Conferences (Scopus / WoS indexed only)	Overall : 6	After Joining RMK :4
Ph.Ds / Projects Guided	Ph.Ds Guided : NA	Student Projects Guided: UG-35, PG-1
Books Published :	Count: 1	
	List: 1. Circuit Theory by Sruthi Publishers	
Patents	Published Count : --	Granted Count :--

	List :
Professional Memberships	Count : 2
	List : 1. Indian Society of Technical Education (ISTE) 2. International Association of Engineers (IAENG)
Consultancy Projects Completed	Count : 3
Awards Received	Count : 3
	List :3 1.Appreciation for fostering an ecosystem bridging government byTexas Instruments. 2. Academic Excellence Award for promoting academic activities to the students from IEI 3. Mr.S.Balamurugan,Assistant Professor recieved Best Faculty advisor Award 2023 for his guidance to the students from IEI
Research grants Received	-
Orchid Link / ID	ID : 0000-0001-6650-6651
Google Scholar Link / ID	ID : WZMhvm0AAAAJ
Vidwan Link / ID	305235
Research Gate Link / ID	AEE-4558-2022
Scopus Link / ID	ID : 57221083693