


FACULTY PROFILE

Name of Teaching Staff / RMK ID	Dr. Anita S / T0145		
Designation	Associate Professor		
Department	Electrical and Electronics Engineering		
Date of Joining the Institution	09.12.2000		
Qualifications	M.E, M.S, M.M.M,	Ph.D (Ed), Ph.D (EE).	
Total Experience	Overall : 25 years	in RMK : 22 years	
Papers Published in Journal	Overall : 25	After Joining RMK : 25	
List of Papers Published	<ol style="list-style-type: none"> 1. Anita, S, Chellamuthu, C & Sukhi, Y 2018, ‘Simplified design of permanent magnet synchronous generator for gas turbine application’, Journal of Electrical Engineering, vol. 18, no. 4, article no.18.4.7. 2. Anita, S & Chellamuthu, C 2015, ‘Thermal modelling of PMSG generator for gas turbine applications’, Indian Journal of Science and Technology, vol.8, no.31, pp.1-5 3. Anita, S, Uma, K & Chellamuthu, C 2016, ‘ Simulation of Six Phase Permanent Magnet Synchronous Generator in MATLAB’, International Journal on Recent Technologies in Mechanical and Electrical Engineering , vol.3, no. 5. pp. 39 – 43. 4. Elakkia, E, Anita, S, Ganesan, RG & Saikiran, S 2015, ‘Design and modelling of BLDC motor for automotive applications’, International Journal of Electrical and Electronic Engineering & Telecommunications, Vol. 1, No. 1, pp. 42-48. 5. Hindu.M, Anita S, 2018 ,“ Modeling And Analysis Of High-Speed PMSG Used In Aircraft Applications”, International Journal of Engineering and Techniques”, Vol 4, issue 3. 6. Y.Sukhi ,S.Anita, Y.Jeyashree , A Novel Single Phase Five Level Inverter Topology for Renewable Energy Sources, International Journal of Applied Engineering Research, Volume 9, Number 24, 2014. 		

7. N.Senthil Kumar, S.Anita, G.C.Prabhakar," Design of Converter for Permanent Magnet Synchronous Generator Driven by Gas Turbine Engine", International Journal of Systems, Algorithms and Applications, Vol2. Issue 5, May 2012, ISSN Online: 2277-2677, pp. 21-24.
8. S.Anita, Y.Sukhi, M.S.Kavitha, G.Lokesh, "Transformerless Hybrid Bridge Inverter for Photovoltaic Grid Connected Systems", Test Engineering and Management, Vol 82, Jan/Feb 2020.
9. S.Anita and V.Thanikachalam,"Opportunities for Indian Engineering and Technical Institutes to offer Programmes for Overseas students and establishing Overseas Institutes under Mode 2 and Mode 3 of GATS", Journal of Engineering and Technology Education, Vol 4, No.2, 2010, pp.7-16.
10. S.Anita and V.Thanikachalam," International Programme Structure for Internationalizing Indian Technical Institutes", Journal of Technical and Vocational Education, Vol 25. No.1&2, 2008, pp.33-47.
11. E.Elakkia, B.Nandhini, S.Anita, Y.Sukhi, Holistic Learning Aided WITH Digital Platform for Outcome based Engineering Education, PalArch's Journal of Archaeology of Egypt/Egyptology, Vol 17(9), 1567-214X , December 2020.
12. Anita S, Fayaz Ahamed A, Y.Sukhi, E.Elakkia, National Educational policy 2020- The Inevitable Change, PalArch's Journal of Archaeology of Egypt/Egyptology, Vol 17(9), 1567-214X , December 2020.
13. Anita S, Elakkia E, Y.Sukhi, B.Nandhini , Smart Residential Electric Vehicle Charging Station With Energy Management Strategy, Solid State Technology, ISSN: 0038-111X, Volume: 63 Issue: 6, 2020.
14. Malathi N, S Anita, Analysis of SEPIC Based PV System with MPPT Controller, Journal of Chemical and Pharmaceutical Sciences, ISSN: 0974-2115, Issue 7: 2015,pp 274-280.
15. A.Fayaz Ahamed, S.Anita, Y.Sukhi, Automation Of 400 KV Switchyard Using Networked Distributed I/O PLC, Solid State Technology, ISSN: 0038-111X ,Volume: 63 Issue: 6, 2020.
16. S.Anita,Y Sukhi , Y Jeyashree, Sahaya Ponrekha A, Design of High Power Factor Electronic Ballast, Solid State Technology, ISSN: 0038-111X,Volume: 63 Issue: 6, 2020.
17. M.S. Kavitha, S.Anita, Kameshwaran.R, S Naveen Kumar, A Jones Allen, FSAE Car Electric Powertrain Analysis, TEST Engineering and Management, January - February 2020 ISSN: 0193 - 4120 Page No. 14902 – 14906.

	<p>18. E. Elakkia, S. Anita, J.S. Snegaa, Shrilekha, Swathi, Yashwanthi, B. Nandini, "Smart Waste Detection and Segregation", GEINTEC, Gestao Inovacao e Tecnologias, ISSN: 2237-0722, Vol. 11 No. 4 (2021), pp: 3413-3426.</p> <p>19. S. Anita, Shyam Sundar Vh, Shabarinath P, Vignesh M, Jabamani T, "Portable Solar Coat For E-Vehicle", Turkish Online Journal of Qualitative Inquiry (TOJQI), Volume 12, Issue 5, May 2021, pp: 2260-2269.</p> <p>20. Y Sukhi, Y Jeyashree, A Jenifer, S Anita, A Fayaz Ahamed, 'Bidirectional DC-DC Converter Using Zero Voltage Switching', Revista GEINTEC-Gestao Inovacao E Tecnologias, July 2021, Volume 11, Issue 4, Pages 3336-3351.</p> <p>21. Sukhi Y., Jeyashree Y., Anita S. (2021) Design and Implementation of Single Stage Resonant Inverter for Electronic Ballast. In: Nath V., Mandal J.K. (eds) Proceeding of Fifth International Conference on Microelectronics, Computing and Communication Systems, pp. 179-191). Lecture Notes in Electrical Engineering, vol 748. Springer, Singapore. https://doi.org/10.1007/978-981-16-0275-7_15.</p> <p>22. Elakkia E, Anita S, Sneha S, Sneha SM, Vishali, Nandini B, "Zigbee Based Home Automation System For Physically Challenged And Elderly People", Turkish Online Journal of Qualitative Inquiry, Volume:06, July 2021:5831-5842</p> <p>23. Y Sukhi, Y Jeyashree, A Jenifer, S Anita, A Fayaz Ahamed, (2022), Electronic Ballast using Half Bridge Resonant Converter, ICE4CT2021, Journal of Physics: Conference Series 2312 (2022) 012077, IOP Publishing, doi:10.1088/1742-6596/2312/1/012077</p> <p>24. Sukhi Y, Jeyashree Y, Anita S, Jenifer A, Ahamed AF (2022) High Step Up Converter with Transformerless Inverter for Grid Integration. Indian Journal of Science and Technology 15(34): 1655-1665. https://doi.org/10.17485/IJST/v15i34.1131</p> <p>25. S Anita, T Magesh, L. Annie Isabella, R. Jayasree, B.V. Kamali, K. Niranjana, (2022) MPPT Based High Gain Boost Converter for PV Applications, Mathematical Statistician and Engineering Applications, ISSN:2094-0343/2326-9865/5796, Vol.71 No.4(2022), pp.5796-5804.</p> <p>26. S. Anita, E. Elakkia, Y. Sukhi, A. F. Ahamed and V. Saicharan, "Dual Axis Solar Tracking Based Standalone PV System," 2022 Fourth International Conference on Emerging Research in Electronics, Computer Science and Technology (ICERECT), Mandya, India, 2022, pp. 1-5, doi: 10.1109/ICERECT56837.2022.10060249.</p> <p>27. S. Anita, Y. Sukhi and E. Elakkia, "DC and AC Micro Grid Comparative Analysis," 2022 International Interdisciplinary Humanitarian Conference for Sustainability (IIHC), Bengaluru, India, 2022, pp. 1156-1160, doi: 10.1109/IIHC55949.2022.10060166.</p> <p>28. K. A. Mohamed Junaid, Y. Sukhi & S. Anita (2023): Low-Cost Smart Irrigation for Agricultural Land Using IoT, IETE Journal of Research, DOI: 10.1080/03772063.2023.2178535</p>	
Papers Presented in Conferences (Scopus / WoS indexed only)	Overall : 4	After Joining RMK : 4
Ph.Ds / Projects Guided	Ph.Ds Guided :	Student Projects Guided :35

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

	List :System for interfacing AI with distributed smart grids
Professional Memberships	Count : 3
	List : Fellow IE (I) Life member ISTE Life Member ISSE
Consultancy Projects Completed	Count : 4
Awards Received	Count : 1
	List : Academic Excellence Award-IEI-2022
Research grants Received	
Orchid Link / ID	ID : https://orcid.org/0000-0003-3336-732X
Google Scholar Link / ID	ID : http://scholar.google.co.in/citations?user=Hr2b47YAAAAJ
Vidwan Link / ID	ID : https://vidwan.inflibnet.ac.in/profile/305306
Research Gate Link / ID	http://www.researcherid.com/rid/AAA-7576-2022
Scopus Link / ID	ID : 56783946800