


FACULTY PROFILE

Name of Teaching Staff / RMK ID	Ms. M. Perarasi/T0774			
Designation	Assistant Professor			
Department	Electronics and Communication Engineering			
Date of Joining the Institution	29.05.2013			
Qualifications	B.E (EEE)	M.E (Applied Electronics)	Ph.D- Pursuing	
Total Experience	Overall : 10 Years 10 Months		in RMK : 9 Years	
Papers Published in Journal	Overall : 15		After Joining RMK :15	
List of Papers Published	<p>1.Yesuraj, S., Yesuraj, J., Perarasi Muthaiah, ., & Balaraman, S. (2017).’ Standalone PV-fed LED Street Lighting Using Resonant Converter’.<i>Electric Power Components and Systems</i>, 45(5), 548-559. (Annexure- 1)</p> <p>2. Perarasi. M, J. Vignesh, V. Srish, S. Vishnu, Siva T. Lalith kumar, M. Athavan “Smart power system for electric vehicles using three port bidirectional converter “Geintec” ISSN: 2237-0722 Vol. 11 No. 4 (2021)</p> <p>3.Dr.GeethaRamadas, Perarasi.M, Vimala “Communicator for blind people” Turkish journal of online Inquiry, 12 (7), 14139-14144. Issue 5, June 2021.</p> <p>4. Perarasi. M., Vanitha, K., Sankamitra, R. K., Sumathisree, A., Vishnu priya K S (2020, December). “Animatronic Hand for Collecting Samples From Human-Corona Test”. <i>Solid State Technology</i>, Volume: 63 Issue: 5 Publication Year: 2020</p> <p>5.Perarasi. M, C.Aravindan, K. Balaji,Deepak. A, Kalaiarasan “IOT based gas leakage detector” Turkish</p>			

journal of online Inquiry, volume 12, Issue 5, May 2021

6. **M. Perarasi**, B. Nandini, E. Elakkia, Syed Mohammed Ibrahim S D ‘‘Protection and Prediction of Crop Yield during Natural Calamities’’TEST Engineering & Management, ISSN: 0193-4120, Vol.82, Page No. 8235 - 8240, 2020

7.E. Elakkia, B. Nandini, **M. Perarasi** ‘Trends and Performance Measures of Electric Vehicles in Market’ TEST Engineering & Management, ISSN: 0193-4120, Vol.82, Page No. 8169- 8174, 2020

8. Sabari. L. Uma Maheswari, **M. Perarasi**, V. Karthika ‘‘Performance Assessment of a Pyramid Shaped Double Slope Solar Still for Enhanced Distillate Output’’ TEST Engineering & Management, ISSN: 0193-4120, Vol.82, Page No. 14953 - 14956, 2020

9.B. Nandini, E. Elakkia, **M. Perarasi** ‘‘Optimal Charging Strategy of Electric Vehicle’’ TEST Engineering & Management’’ ISSN: 0193-4120, Vol.82, Page No. TEST Engineering & Management, ISSN: 0193-4120, Vol.82, Page No. 14953 - 14956, 2020, 2020

10.M. Perarasi, Geetha Ramadas, G. (2020). ‘‘A Novel Cooling Method To Improve The Efficiency Of Pv Panel’’. *Solid State Technology*, 63(6), 9631-9636

11. Vimala, M., Ramadas, G., **Perarasi, M.**, Manokar, A. M., & Sathyamurthy, R. (2023). A Review of Different Types of Solar Cell Materials Employed in Bifacial Solar Photovoltaic Panel. *Energies*, 16(8), 3605.

12. A. Darwin Nesakumar, M. S. Kavitha, B. Sarala, J. Jasmine Hephzipah, R. Pavaiyarkarasi, **M. Perarasi**, T.D. Subha ‘‘Optimal Algorithm for power assignments in OFDM-form of cognitive Radio Technique European chemical Bulletin, Volume 12, year 2023.

13. Crptography based Lifi for Patient Privacy and

	<p>Emergency Health Service Using IOT Vithya V.T.;Chandrasekar M.P.;Suganthy M.;Jasmine Hephzipah J.;Sarala B.;Praveena N.G.;Perarasi M.”International Journal on Recent and Innovation Trends in Computing”ISSN 2321-8169 Volume 10 Issue 2.</p> <p>14. Elakkia, E., Perarasi, M., Kalpana, S. P., Keerthi, S. S., & Vineetha, T. (2022, November). Home Automation Using Augmented Reality. In <i>2022 International Interdisciplinary Humanitarian Conference for Sustainability (IIHC)</i> (pp. 1142-1149). IEEE.</p> <p>15. Y.M.Blessy , V.S.Prabhu, M.Perarasi , J.Jasmine Hephzipah , B.Sarala , M.S.Kavitha , T.D.Subha “Complex Leap Collection-based CNN Method Using Jamming Detection in Wireless IoT Networks European chemical Bulletin, Volume 12, year 2023 1953-1956</p>	
Papers Presented in Conferences (Scopus / WoS indexed only)	Overall : 10	After Joining RMK :10
Ph.Ds / Projects Guided	Ph.Ds Guided : -	Student Projects Guided :20
Books Published :	<p>Count :02</p> <p>List :</p> <ol style="list-style-type: none"> 1. Electric Circuit analysis-Alpha International Publication ISBN:978-93-95405-78-2 2. Microprocessors and Microcontrollers,ISBN:978-93-5757-004-6,2023 	
Patents	Published Count :02	Granted Count :

	<p>List :</p> <ol style="list-style-type: none"> 1. A Low Cost Auto Tracking Solar Panel cell phone Charger <p>Ref no/Application no : TEMP/E1/24428/2021-CHE</p> <p>APP NUMBER :202141021932</p> <ol style="list-style-type: none"> 2. IOT based cost effective solar powered water cooler system <p>Ref no/Application no : TEMP/E1/24428/2021-CHE</p> <p>APP NUMBER :202111013094</p>
Professional Memberships	Count :03
	<p>List :</p> <ol style="list-style-type: none"> 1.Indian society for Technical Education 2.Scientific International publishing House 3. IAENG
Consultancy Projects Completed	Count :04
Awards Received	Count :04
	<p>List :</p> <ol style="list-style-type: none"> 1.Dr. E.P Rajan Promotional award IET, UK Younger Professional section, Chennai 2. Best Faculty Advisor Award by IEI 3. Won Outstanding performance in the Task Based Training Challenge” Conductedby e -Yantra Lab Setup Initiative(eLSI) - IIT Bombay, Funded By MHRDUnderNational Mission of Education through ICT (NMEICT) 4. Best Project Award By IEI
Research grants Received	NIL
Orchid Link / ID	ID : 0000-0003-4542-6227
Google Scholar Link / ID	ID : NmaY9MYAAAAJ
Vidwan Link / ID	ID : 305278

Research Gate Link / ID	ADC-6811-2022
Scopus Link / ID	ID : 57221085216