


FACULTY PROFILE

Name of Teaching Staff / RMK ID	Dr.T Magesh/ T 0 3 7 4			
Designation	Professor			
Department	Electrical and Electronics Engineering			
Date of Joining the Institution	19.1.2006			
Qualifications	B.E – EEE	M.E – Power system	Ph.D	
Total Experience in RMK	17YRS, 6MONTH			
Total Experience Overall	23YRS,8MONTH			
Papers Published in Journal	Overall :23		After Joining RMK :22	
List of Papers Published	<p>1.T.Magesh, Dr.C. Chellamuthu ,” Simulation and Study of Power Quality Fixed Speed Wind Farm Substation” The Scientific World journal, V Article ID 367540 , 2015.</p> <p>2. T Magesh, Geetha Ramadas, C Chellamuthu and M. Parameswari “Mea Analysis of Power Quality Issues in Wind Farms-A Real case study” Journal of Applied Engineering Research - Volume 10,issue 14,2015.</p> <p>3. T Magesh, M.Gomathi, Dr. C Chellamuthu ‘Tie line control on two area wind farm’ International Journal of Applied Engineering Research -Vo 8,2015.</p> <p>4. M.Kalaivani¹ T.Magesh² Design of Optimal Pi Controller for Permanent Magnet Synchronous Generator Driven By Variable Speed Wind Turbine Using Genetic Algorithm- International Journal of Advanced Research in Electrical, Electronics and Instrumentation Engineering 2015</p> <p>5. M.Pazhamalai ,P.R.Jeevarathinam P.Naveen kumar ,Dr.T. Magesh “Multi-purpose mirror using single board Computers” International Journal of Engineering and Techniques , Volume 4 Issue 2, Mar – Apr 2018</p> <p>6. Dr.N.M Jothi Swaroopan , Dr.T. Magesh, A.Vinith, N.Yuvaraj, 5 C.Naveen “mplementation of Single Phase Cascaded Multilevel Inverter with Multi-Carrier PWM Technique Connected to Grid” International Journal of Engineering and Techniques , Volume 4 Issue 6, Mar-Apr 2018.</p> <p>7. Dr.T.Magesh , S.Syed Shahruq Basha, R.Subash, S.Yogesh-Students,Mr.Hussain--Load Test Incharger, “Enhancement of Lead Acid Battery for Life Cycle Improvement” IJESC 2019</p> <p>8 Dr.T.Magesh , S.Yogesh-Students “Non-Parametric Activity Recognition System In Smart Homes Based On Heterogeneous Sensor Data” IJESC 2019</p> <p>9. Magesh T, Kavitha P, Thiyageesan M, “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>			

10. Devi. G ¹, Ranjani R ², Shahul Hameed Chettali³, Lakshmanan T ⁴, Magesh.T ⁵ “Statistical Comparison of Spectroscopic Observations in the Blood Glucose Level before and after Injecting Insulin” Solid State Technology ISSN: 0038-111X Vol. 63, No. 3,(2020).
11. Devi. G ¹, Magesh.T², Shahul Hameed Chettali³, Lakshmanan T⁴,Thangeeswari. T⁵ “Review of Spectroscopic Characterization of Green Synthesis of Nanoparticles using Ocimum Sanctum for Medicinal Applications Solid State Technology” ISSN: 0038-111X Vol. 63, No. 3,(2020).
12. S K Mohan¹, Dr T Magesh², Harikrishnan S³,Ashlin Felix R⁴, Gokulnath G⁵ “AN IOT ENABLED MILITARY SPYING ROBOT USING RASPBERRY PI” **IJIRSET** Volume 9, Issue 9, September 2020.
13. Prabhudhayalan, Dr.T.Magesh, Saravanan.M, Sriram.S, Suhailahmed.A Simulation of Fixed Speed Wind Farm IJIRSET Volume 9, Issue 9, September 2020.
14. G. Devi ¹, T. Thangeeswari^{2*}, T.Magesh³, Fourier Transform Infrared and Fluorescence Spectroscopic Analysis of H bonding variation in Human Benign and Cancerous Breast Tissues, International Journal of Pharmaceutical Research | Jul - Sep 2020 | Vol 12 | Issue 3.
15. Thiayagesan Ma,Govardhan Jb,Dinesh Raj Ec,Dhanush Kumar Kd,Ahamed Basha Ne, Magesh T “Interactive Voice controlled 3D Holographic Display” Turkish Online Journal of Qualitative Inquiry (TOJQI) Volume 12, Issue 5, May 2021: 2343 – 2352.
16. Dr T. Magesha, Vibhin V Vb, Pranav Kumar K V Cc, S K Mohand, Praveen Je, Rohinith ” “Smart Classroom Monitoring System” Turkish Online Journal of Qualitative Inquiry (TOJQI) Volume 12, Issue 5, May 2021: 2212-2220.
17. T. Magesh, G. Devi, T. Lakshmanan,Measurement and simulation of power quality issues in grid connected wind farms,Electric Power Systems Research, Volume 210,2022, 108142, ISSN 0378-7796,<https://doi.org/10.1016/j.epr.2022.108142>.
18. Magesh, T., Devi, G. & Lakshmanan, T. Assessment of Flicker Emission in a Grid Connected Wind Farms. *J. Electr. Eng. Technol.* (2023). <https://doi.org/10.1007/s42835-022-01368-w>
19. Thangavelu, M., Parthiban, V.J., Kesavaraman, D. *et al.* Forecasting of solar radiation for a cleaner environment using robust machine learning techniques. *Environ Sci Pollut Res* 30, 30919–30932 (2023). <https://doi.org/10.1007/s11356-022-24321-w>
20. T. Magesh, G. Devi, T. Lakshmanan,Improving the performance of grid connected wind generator with a PI control scheme based on the metaheuristic golden eagle optimization algorithm,Electric Power Systems Research,Volume 214, Part B,2023,108944,ISSN 0378-7796,<https://doi.org/10.1016/j.epr.2022.108944>.
- 21 G. Devi, T. Magesh, T. Lakshmanan, R. Surekha, Performance of a PV module with poly methyl methacrylate filter,Materials Today: Proceedings, Volume 68, Part 6,2022,

	Pages 2467-2472,ISSN 2214-7853, https://doi.org/10.1016/j.matpr.2022.09.159 . 22. G. Devi, T. Magesh, T. Lakshmanan, R. Surekha,Performance of solar panels covered with colour glass sheets when subjected to different irradiance values of electromagnetic spectrum,Optical Materials,Volume 133,2022,1 12906,ISSN 0925-3467, https://doi.org/10.1016/j.optmat.2022.112906 .	
Papers Presented in Conferences (Scopus / WoS indexed only)	Overall :06	After Joining RMK :06
Ph.Ds / Projects Guided	Ph.Ds Guided :00	Student Projects Guided :45
Books Published :	Count :Nil	
	List :	
Patents	Published Count :04	Granted Count :01
	List :	
Professional Memberships	Count :02	
	List :ISTE,IEI	
Consultancy Projects Completed	Count :04	
Awards Received	Count :01	
	List :Best Faculty award from IEI	
Research grants Received	Coordinator- Completed a Project on study of power quality issues in grid connected wind farm , sanction by MNRE-Rs 150000during year 2010-2014 Improving the efficiency of solar cell – project sanction by IEDC cell in RMK Engineering College for Rs10000 during the year 2014.1 KW Wind Power Plant	
Orchid Link / ID	ID : https://orcid.org/my-orcid?orcid=0000-0003-1047-4050	
Google Scholar Link / ID	ID : https://scholar.google.com/citations?user=-8A_Y6cAAAAJ&hl=en	

Vidwan Link / ID	ID : https://vidwan.inflibnet.ac.in/profile
Research Gate Link / ID	https://www.researchgate.net/profile/Magesh-Thangavelu-2
Scopus Link / ID	ID : https://www.scopus.com/dashboard.uri?origin=sbrowse&zone=TopNavBar