K.S.R. COLLEGE OF ENGINEERING, TIRUCHENGODE – 637 215.

DEPARTMENT OF ELECTRICAL AND ELECTRONICS ENGINEERING
FACULTY PROFILE

01. Name : **Dr. S. RAMESH**

02. Designation : Professor

03. Date of Birth : 07-03-1977

04. Date of Joining : 02-06-2004

05. Professional Membership : MISTE

06. Supervisor Recognization No. & Date : 2730031 & 31.03.2016

07. Qualification:

S.No.	Qualification	Specialization	Name of the Institution	Affiliated to	Year of Completion	Class & % of Marks
1.	Ph.D.	Power systems / Electrical Engineering	Anna University	Anna University	2011	-
2.	M.E.	Power systems / Electrical Engineering	Annamalai University	Annamalai University	2004	Ist – Class with Distinction
3.	B.E.	Electrical and Electronics engineering	Kongu Engineering College	Bharathiar University	2000	Ist – Class

08. Area of Interest : Power Systems, Electrical Machines & Intelligent Control Techniques

09. Experience, Promotion & Designation Details (Chronological):

S.No.	Name of the Organization	Designation	Period	
			From	To
1.	K.S.R. College of Engineering, Tiruchengode, Namakkal District.	Professor & Head	02.01.2016	Till Date
2.	K.S.R. College of Engineering, Tiruchengode, Namakkal District.	Associate Professor & Head	01.07.2010	01.01.2016
3.	K.S.R. College of Engineering, Tiruchengode, Namakkal District.	Assistant Professor	01.07.2009	30.06.2010
4.	K.S.R. College of Engineering, Tiruchengode, Namakkal District.	Lecturer	02.06.2004	30.06.2009
5.	Nandha Polytechnic College, Erode.	Lecturer	14.06.2000	31.08.2002

LIST OF PUBLICATIONS

National and International Journals:

1. Ramesh,S. and Bharathi S.,” Hybrid Controller For Renewable Energy Power Plant In Stand Alone Sites”, International Journal for Science and Advance Research in Technology, Vol. 8, No. 5, pp. 1226-1229, 2022.

2. S.Ramesh, R.Jayapal, R.A.Arunkumar, S.Manoranjith, V.Vellingiri.,” Solar Energy-Based Induction Cooking System”, International Journal of Power Electronics Controllers and Converters, Vol. 8, No. 1,pp1-8,2022.

3. Ramesh,S. and Kokila S., “Intelligent software defined network based digital video stabilization system using frame transparency threshold pattern stabilization method”, Journal of Computer Communications (ELSEVIER), Vol. 151, pp. 419 – 427, 2020.

4. Ramesh,S. and Suresh K. P., “PV Based Grid System for Power Quality Enhancement using Instantaneous P-Q Theory”, International Journal of Engineering and Advanced Technology (IJEAT), Vol.-9, Issue-1S6, pp. 6 – 12, 2019.

5. Ramesh,S. and Jamuna,P., “Experimental Validation of Impedance Source Network Based Active Power Filter for Interconnection of PV System into Grid”, International Journal of Circuits, Systems, and Computers, Vol. 27, No. 14, pp. 1850215(1-22), 2018.

6. Ramesh,S. and Thenmalar,K., “Self Adaptive Hybrid Differential Evolution Algorithm (SAHDEA) for Dynamic Economic Emission Power Dispatch (EEPD) with Valve Point Effects”, International Journal of Printing, Packaging & Allied Sciences, Vol. 5, No. 1, pp. 192-205, 2017.

7. Ramesh,S. and Kumaran,A., “Pattern Control Algorithm based DSTATCOM for Power Quality Applications”, Asian Journal of Research in Social Sciences and Humanities, Vol. 6, No.10, pp. 2246-2264, 2016.

8. S. Ramesh, R. Senthil Kumar and D. Somasundareswari., “Convolutional Neural Network Based Three Phase Induction Motor Fault Detection and Correction”, International Journal of Printing, Packaging & Allied Sciences, Vol. 4, No. 1, pp. 438 – 452 , 2016.

9. S. Ramesh, R. Senthil Kumar and D. Somasundareswari., “Fault Detection of Induction Motors Using Continuous Curvelet Wavelet and Support Vector

Machines", International Journal of Control Theory and Applications, Vol. 9(28), pp. 01-11, 2016.

10. Ramesh,S. and Prakasam,K., "Online Fault Diagnosis of Three Phase Squirrel Cage Induction Motor Stator Electrical Faults using Current Parks Vector Approach and Motor Current Signature Analysis", Asian Journal of Research in Social Sciences and Humanities, Vol. 6(9), pp. 772- 783, 2016.

11. Ramesh,S. and Prakasam,K., "Testing and Analysis of Induction Motor Electrical Faults Using Current Signature Analysis", Journal of Circuits and Systems, Vol. 7(9), pp. 2651-2662, 2016.

12. Ramesh,S. and Harini,G., "Automatic Boundary Trace Segmentation of Skin Cancer Using GLCM based on Feature Extraction in Support Vector Machine", International Journal of Advanced Research in Bioloy Engineering Science and Technology, Vol. 2, Issue 10, pp. 1494- 1502, 2016.

13. Ramesh, S. Thenmalar,K. and Thiruvenkadam, S. S., "Opposition Based Differential Evolution Algorithm for Dynamic Economic Emission Load Dispatch (EELD) with Emission Constraints and Valve Point Effects", International Journal of Electrical engineering and Technology, Vol. 10(4), pp. 1508-1517, 2015.

14. Ramesh,S. and Prakasam,K., "Investigation of Induction Motor Stator Faults Using Motor Current Signature Analysis and Multisim", Middle-East Journal of Scientific Research, Vol. 23(2), pp. 277- 284, 2015.

15. Ramesh,S. and Kokila,S., "A Novel Method of Image / Video Stabilization for New Generation Mobile Devices", International Journal of Applied Engineering Research, Vol. 10, No. 6, pp. 4997- 5001, 2015.

16. Ramesh,S. and Thenmalar,K., "Hybrid Fuzzy-Opposition Based Differential Evolution Algorithm (FODEA) For Dynamic Economic Emission Power Dispatch (EEPD) With Emission Constraints and Valve Point Effects", Middle-East Journal of Scientific Research, Vol. 23(10), pp. 2507-2520, 2015.

17. Ramesh,S. and Prakasam,K., "Investigation of Induction Motor Stator Faults using Motor Current Signature Analysis", International Journal of Applied Engineering Research, Vol. 10, No. 9, pp. 7408 – 7412, 2015.

18. Ramesh,S. and Thenmalar,K., "Multi – Objective Economic Emission Load Dispatch Solution In Various Generation Plants With Wind Power Penetration", International Journal of Advances in Natural and Applied Sciences, Vol. 8(21), pp. 58-64, 2014.

19. Ramesh, S. Thenmalar,K. and Anuja, K. S., "Multi –Objective Economic Emission Load Dispatch Solution using Evolutionary Algorithm with and without Considering Wind Power Penetration and Valve Point Effect", International Journal of Applied Mechanics and Materials, Vol. 626, pp. 177-183, 2014.

20. Ramesh,S, Anbarasan,A, and M.Y. Sanavullah., "Transmission Line Loss Minimization in Power System Network Using TCSC and UPFC" Australian Journal of Basic and Applied Sciences, Vol. 8(3), pp: 564-569, 2014.

21. Ramesh S. Sankarganesh, R. and Shankar. R, "Design and Simulation of Switched Boost Inverter for AC and DC Loads", International Journal of Innovative Research in Science, Engineering and Technology, Vol. 3(1), 2014.

22. Ramesh,S, Anbarasan,A, and M.Y. Sanavullah., "Voltage constrained maximum loadability analysis in power system using FACTS", Journal of International Review on Modelling and Simulations, Vol.6, No.6, pp. 1831 – 1836, 2013.

23. Ramesh, S. and Ragul, S. "Three Phase Active Clamp Converter for Renewable Energy Applications", Journal of Archive Des Science, Vol.65, No.4, pp. 2-10, 2012.

24. Ramesh, S. and Krishnan, A. "Stabilization of Frequency Deviation in an AC–DC Interconnected Power Systems using Supervisory Fuzzy Controller", Tamkang Journal of Science and Engineering, Vol.14, No.4, pp. 341-349, 2011.

25. Ramesh, S. and Krishnan, A. "A Self –Tuning Fuzzy Logic Controller for a Frequency Stabilization in a Parallel AC – DC Two Area Interconnected Power System", European Journal of Scientific Research, Vol.51, No.1, pp. 6-17, 2011.

26. Ramesh, S. and Krishnan, A. "Fuzzy Logic Based Frequency Stabilization in a Parallel AC - DC Multi Area Non Reheat Thermal Power Systems", Journal of International Review on Modelling and Simulations, Vol.3, No.4, pp. 590 – 597, 2010.

27. S.Ramesh and A. Krishnan (2010), "Fuzzy rule based Load Frequency Control in a parallel AC – DC Interconnected Power Systems through HVDC link", International Journal of Computer Applications (IJCA), Volume 1, No. 4, pp 78-87, 2010.

28. S.Ramesh and A. Krishnan (2009), "Modified Genetic algorithm based Load Frequency Controller for Interconnected power Systems", International Journal of Electrical and Power Engineering, vol. 3(1), pp 26 – 30, 2009.

29. S.Ramesh and A. Krishnan (2008), "Load Frequency Controller for two area Non – reheat thermal power systems using Real coded Genetic algorithm", International Journal for Engineering Research and Industrial applications (IJERIA),vol.1,No. IV, pp 245 -255, 2008.

National and International Conferences:

1. Ramesh, S. Sankarganesh, R. Rajeswari,M. Ravichandran,M. and Venkatprabu,C., "Internet of Things based Automatic Fertilzer Injector for corresponding Plant", International Conference on Electrical Sciences, Organized by SNS College of Technology, Coimbatore, pp. 73, 20th & 21st February 2020.

2. Ramesh,S, Anbarasan,A, and M.Y. Sanavullah., "Real Power Loss Minimization in Indian Utility System using STATCOM and TCSC", Proceedings of the Second International Conference on Recent Trends in Engineering and Management, Organize by Ranippettai Engineering College,Vellore, pp. 217 – 337, 22nd March, 2014.

3. Ramesh, S and Babysaroja, G., "Solar System with Z-Source Inverter with Double Carrier PWM Technique", International Conference on Innovations in Intelligent Instrumentation, Optimization and Signal Processing, pp.1521 – 1525, 2013.

4. Ramesh, S and Ragul, S. "Three Phase Active Clamp Converter for High Power Applications", International Conference on Recent Trends in Computational Methods Communication And Control, Organized by Government College of Engineering, Tirunelveli, pp 59, 4th April 2012.

5. Ramesh, S and Ragul, S. "Three Phase Active Clamp Converter for Renewable Energy Applications", International Conference on Emerging Trends in Communication (ICETC-12), Organized by Maria College of Engineering and Technology, pp. 563 - 572, 8th and 9th March 2012.

6. S.Ramesh and Sankaran Nampoothiri, "Modeling and Simulation of a Synchronous Buck Regulator for a stand-alone Photovoltaic System", International Conference on Intelligent Science and Technology (SUNIST 2011), Organized by Sun College of Engineering and Technology, pp. 1-6, 24th and 25th March 2011.

7. S.Ramesh and A. Krishnan, "Stabilization of Frequency Deviation in a Parallel AC – DC Two Area Thermal Reheat Power Systems through HVDC Link by Fuzzy rule Based System", International Conference on Control, Communication and Power Engineering (ICCCPE-2010), Organized by Association of Computer Electronics and Electrical Engineers (ACEEE), Hotel Vijay Park, Chennai, pp 150 – 153, 28th, July 2010.

8. S.Ramesh and A. Krishnan, "Fuzzy Rule Based Load Frequency Control in a parallel AC- DC Interconnected Power Systems through HVDC Link', International Conference on Control, Communication and Computing (ICCC-2010), Organized by College of Engineering, Trivandrum, Kerala, pp 96-100, 18th - 20th, Feb.2010.

9. S.Ramesh and A. Krishnan, " Modified Genetic algorithm based Load Frequency Controller for Interconnected Power Systems", 2nd International conference on Resource Utilization and Intelligent Systems (INCRUIS – 2008) Organized by Kongu Engineering College, Perundurai, Erode, pp 16 – 20, 3ed - 5th January 2008.

10. S. Ragul and S.Ramesh "DC-DC Active Clamped Converter with Three phase High Frequency Boosting Transformer for High Power application", National

conference on Cutting edge Technologies in power Conversion and Industrial drive (PCID 2012), Organized by Bannari Amman Institute of Technology, pp 29, 9th and 10th February 2012.

11. S.Ramesh and K.Prakasam, "Load Frequency Controller for two area Non – reheat thermal power systems using Real coded Genetic algorithm", ELECTRIC' 08 – National conference conducted by Vivekanandha College of Engineering for women at Tiruchengode, pp-27,14th March-2008.

12. S.Ramesh and A. Krishnan, "Load Frequency Controller for two area reheat thermal power systems using Real coded genetic algorithm", Reliability and Life Extension Techniques of Electrical Equipments in Power System (RLET – 2008) Organized by National Power Training Institute, Ministry of Power, Government of India, Eastern Region – Durgapur, Lucknow (U.P), pp-16,28 and 29th August-2008.

13. S.Ramesh, A. Krishnan and A.M. Natarajan, "Electric Machines Protection and Maintenance" National conference on Application of Emerging Technology in Electrical Sciences" 'NAETES – 2009', Organized by Velalar College of Engineering and Technology, Erode, Vol. –I pp 117 – 125, 9th April 2009

14. S.Ramesh and K.Prakasam, "Enhance the Insulation Condition Monitoring of High Voltage Rotating Machines using Optimization technique", 'ECLECTIC-2008' conducted by Vivekanandha College of Engineering for Women at Tiruchengode, Vol. –I pp 47,14th March 2008.

15. S.Ramesh, K.sathiyasekar and K.Prakasam, "Condition Monitoring of Stator Winding using Genetic Algorithm", Application of Emerging Technologies, Conducted by Adhiyaman College of Engineering, Hosur, Vol. –I pp 3524 & 25 March 2008.

16. S.Ramesh, K.sathiyasekar and K.Prakasam, "A Method for the Evaluation of Insulation Systems for High Voltage Rotating Machines", National conference on Recent Trends in Electrical, Electronics, Instrumentation and Communication Engineering 'RETEEICOM -08' Conducted by Mahendra Engineering College, Vol. –I pp 12-17, 28th March 2008.

17. S.Ramesh, "Real Coded Genetic Algorithm Based Load Frequency Controller for Interconnected Power Systems", UGC sponsored National Conference on Soft Computing Techniques Applied to Power System Engineering, Organized by Annamalai University, Chidambaram, pp 121-126, 19 &20th March 2005.