


1. Name	Dr. S. RAMESH	
2. Designation	Professor and Head	
3. Date of Birth	07-03-1977	
4. Date of Joining	02-06-2004	
5. Specialization	Power Systems	
6. Academic Qualification	B.E., M.E., Ph.D.	
7. Domain Mail ID & Contact Number(s)	rameshsee@ksrce.ac.in	
8. Experience Details(Chronological)	Teaching: 22 Years	

Experience & Promotion Details

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	Lecturer	03/06/2000	31/08/2002

09. Publication Details:-

S.No	*National Level		*International Level		Google Scholar Citations:
	Journal(s)	Conference(s)	Journal(s)	Conference(s)	h-index :
1	-	08	34	11	11

Google scholar id	Orcid id	Scopus id	Researcher id
http://scholar.google.co.in/citations?user=ZIQX0KEAAAAJ	https://orcid.org/0000-0002-6994-3096	http://www.scopus.com/authid/detail.url?authorId=35198912900	https://www.webofscience.com/wos/author/rid/ABG-3678-2021

10. Funded Programmes Organized (Seminar/Conference/Workshop/FDP/STTP/Other:-

S.No	Title of the Proposal	Funding Agency Details	Date &Duration		Amount Sanctioned
			From	To	
1.	Anna university approved FDTP on Electro Magnetic Theory	Anna university	01.06.2012	To 08.06.2012	60,000
2.	National Conference on Technological Innovations in Renewable Energy (NCTIRE'13)	IEEE Madras section	19.04.2013		10,000
3.	National Conference on Technological Innovations in Electrical Engineering	IEEE Madras section	26.03.2014		10,000
4.	Anna university approved FDTP on EE6501 - Power System Analysis	Anna university	04.06.2018	To 10.06.2018	-

11. Funded Research Projects:-

S.No	Title of the Project	Name of the Funding Agency	Amount Sanctioned (Rs.)	Role
1.	Modernization of Measurements and Instrumentation Lab under MODROB scheme year 2013.	AICTE	Rs. 19,50,000	Coordinator

12. Detail of Book/Book Chapter Published:-

S.No	Title of the Book	Author(s)	Name & Address of the Publisher	Year of Publishing	ISBN no.
1.	Soft Computing	Dr.P.S. Periyasamy Dr.S.Ramesh Dr.C.Gowri Shankar Dr.J.Thiyagarajan	Scientific International Publishing House	2023	978-93-6132-732-2
2.	Measurement and Instrumentation	Dr. M. Vijayakumar Dr. V.Arun Dr. S. Ramesh Dr.M. Ramasamy Dr.S. Senthilkumar	Scientific international publishing house,	2022	9789356254008

13. Patents Filled : 03

S.No	Patent Application No.	Title of Invention	Date of filing	Date of Published
1.	392222-001	Solar Powered Glass Cleaning Robot	08/08/2023	27/09/2023
2.	389052-001	IoT Based Solar Powered Agriculture Robot	26 / 06 / 2023	23/08/2023
3.	363767-001	Design to Solar Panel	05 / 05 / 2022	18 / 10 / 2022

14. Consultancy Activities (Industry):-

S.No	Title of the Project	Name of the Company	Consultant Amount Received
1.	Energy Auditing in Textile Mill	Jaya Murugan Textile Mill	70,400 /-
2.	Energy Auditing in Textile Mill	Maha Ganapathy Textails	34,200 /-
3.	Energy Auditing in Textile Mill	Maha Ganapathy Textails	35,000/-

15. Professional Recognition/Award/Prize, Fellowship/Internship received etc:-

S.No	Name of Award/Fellowship/Internship	Awarding Agency
1.	Young Scientist Award	Nature Science Foundation

16. Membership in Professional Bodies:-

- Indian Society for Technical Education (ISTE) - Life Member (LM 42128)
- IEEE – 98555593

17. Social media details:-

LinkedIn Profile Link	https://www.linkedin.com/in/dr-s-ramesh-7a2b12322
Instagram Profile Link	https://www.instagram.com/s.ramesh286?igsh=bDg2YnByZjJlYXZk
Facebook Profile Link	https://www.facebook.com/ramesh.senniyappan?mibextid=ZbWKwL
Youtube Profile Link	www.youtube.com/@dr.sramesh1429

18. Areas of Interest:- Power systems, Electrical Machines and Soft Computing Techniques

List of Publications

International Journal: 34

1. Ramesh, S. et. al. “Enhancing electric vehicle performance through buck-boost converters with renewable energy integration using hybrid approach” *Optim. Control Appl. Meth.* pp.1-22. doi: 10.1002/oca.3153, 2024.
2. Ramesh, S. et. al. “Virtual Power Plant for Optimizing Power Flow in Large Scale Distributed Networks”, *Journal of Electric Power Components and Systems- Taylor & Francis*, 2023.
3. Ramesh, S. et. al. “Facial Movement Based Robotic Arm Control Using Arduino and Python”, *International Journal of Innovative Research in Engineering*, Vol. 4, Issue 1, pp. 151-154, 2023.
4. Ramesh, S. et. al. “IoT based E – Attendance System by using RFID” *International Journal of New innovations in Engineering and Technology*, Vol. 22, Issue 1, pp. 1029-1034, 2023.
5. Ramesh, S. et. al. “Review on Li-Ion Battery vs Nickel Metal Hydride Battery in EV” *Journal of Advances in Materials Science and Engineering*, Hindawi publications, Article ID 7910072 , pp. 1-7, 2022.
6. 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, Issue5, pp. 1226 – 1229, 2022.
7. Ramesh, S. et. al.,” Solar Energy-Based Induction Cooking System”, *International Journal of Power Electronics Controllers and Converters*, Vol. 8, No. 1,pp1-8,2022.
8. Ramesh,S. and Kokila S.,” Intelligent software defined network based digital video stabilization systemusing frame transparency threshold pattern stabilization method”, *Journal of Computer Communications (ELSEVIER)*, Vol. 151 pp. 419 – 427,2020
9. 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.
10. Ramesh,S. and Jamuna,P., “Experimental Validation of Impedance Source Network Based Active Power Filter for Interconnection of PV System into Grid”, *Journal of Circuits, Systems and Computers*, Vol. 27, No. 14, pp. 1850215-1 - 1850215-22, 2018.
11. Ramesh,S. and Thenmalar,K., “Self Adaptive Hybrid Differential Evolution Algorithm (SAHDEA) for Dynamic Economic Emission Power Dispatch (EEDP) with Valve Point Effects”, *International Journal of Printing, Packaging & Allied Sciences*, Vol. 5, No. 1, pp. 192-205, 2017.
12. 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.
13. 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.

14. 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
15. 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.
16. 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.
17. 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 Biology Engineering Science and Technology*, Vol. 2, Issue 10, pp. 1494- 1502, 2016.
18. 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.
19. 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.
20. 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.
21. Ramesh,S. and Thenmalar,K., "Hybrid Fuzzy-Opposition Based Differential Evolution Algorithm (FODEA) For Dynamic Economic Emission PowerDispatch (EEDP) With Emission Constraints and Valve Point Effects", *Middle-East Journal of Scientific Research*, Vol. 23(10), pp. 2507-2520, 2015.
22. 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.
23. 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.
24. 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.
25. 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.
26. 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.

27. 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.
28. 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.
29. 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.
30. 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.
31. 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.
32. 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.
33. 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.
34. 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.

International Conference: 11

1. Ramesh, S. et. al. “Evaluating the Effectiveness of the TAR Pulse Width Modulation Strategy for a 7-Level Inverter with Non-Uniform Source Voltages”, IEEE conference paper- First International conference on Advances in Electrical, Electronics and Computational Intelligence,19-20 OCT 2023.
2. Ramesh et al. “Climate Adjustable E- Military Suit”, Proceedings of the sixth International Conference on Engineering and Technology, Organized by Selvam Engineering College, pp.94, 4th & 5th March 2022.
3. Ramesh et al. “Internet of Things Based Automatic Fertilizer Injector for Corresponding plant”, Proceedings of the International Conference on Electrical Sciences, Organized by SNS College of Technology, pp. 73, 20th & 21st February 2020.
4. 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, Organized by Ranippettai Engineering College,Vellore, pp 217 – 337, 22nd March, 2014.
5. 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.

6. 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.
7. 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.
8. 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.
9. 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.
10. 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.
11. 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, 3rd - 5th January 2008.

National Conference: 08

1. 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.
2. 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.
3. 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.
4. 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
5. S.Ramesh and K.Prakasam, "Enhance the Insulation Condition Monitoring of High Voltage Rotating Machines using Optimization technique", 'ELECTIC- 2008' conducted by Vivekanandha College of Engineering for Women at Tiruchengode, Vol. –I pp 47,14th March 2008.

6. 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.
7. 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.
8. 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.