

**K.S.R. COLLEGE OF ENGINEERING, TIRUCHENGODE – 637 215**  
(Autonomous)

**DEPARTMENT OF ELECTRICAL AND ELECTRONICS ENGINEERING**  
**FACULTY PROFILE**

**01. Name** : Dr.V.RAVI (Faculty ID: CEEE08)  
**02. Designation** : Professor  
**03. Date of Birth** : 31.05.1981  
**04. Date of Joining** : 01.06.2007  
**05. Professional Membership** : ISTE  
**06. Supervisor Recognition No.** : 2730034 & 31.03.2016



& Date

**07. Qualification:**

S.No.	Qualification	Specialization	Name of the Institution	Affiliated to	Year of Completion	Class & % of Marks
1.	Ph.D	Power Systems	-	Anna University	2013	-
2.	M.E	Power Systems	Annamalai University	-	2004	First & 8.23 CGPA
3	B.E	EEE	K.S.Rangasamy College of Technology	Periyar University	2002	First & 64.91%

**08. Area of Interest** : Power Systems

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

S.No.	Name of the Organization	Designation	Period	
			From	To
1.	M.P.Nachimuthu M.Jaganathan Engineering College, Chennimalai	Lecturer	23.06.2004	10.05.2007
2.	K.S.R. College of Engineering	Lecturer	01.06.2007	30.06.2009
3.	K.S.R. College of Engineering	Assistant Professor	01.07.2009	31.10.2015
4.	K.S.R. College of Engineering	Associate Professor	01.11.2015	31.10.2017
5.	K.S.R. College of Engineering	Professor	01.11.2017	Till date

## **LIST OF PUBLICATIONS**

### **National Conference: 08**

1. Dr.V.Ravi, “Optimal power management of Renewable energy resource in Micro grids Power Management System”, 12th National Conference on Trends in Engineering applications, Velalar College of Engineering and Technology, 6.05.2022.
2. Ravi, V. and Dhivya, A. “Bidirectional High Frequency Single Phase Converter for Non Linear Loads” National Conference on Recent Trends in Electrical Science, Organized by IRTT, Erode, 26<sup>th</sup> February 2015.
3. Ravi, V. and Manju, A. “An Efficient Power and Speed of on-Chip Interconnect using Current Mode Signaling Scheme” National Conference on Emerging Trends in Electrical Science, Organized by IRTT, Erode, 27<sup>th</sup> and 28<sup>th</sup> February 2015.
4. Ravi, V. and Jemina, M. “A Novel Strategy to Replace the Damaged Element for Fault-Tolerant Induction Motor Drive System”, National Conference on Recent Advancements and challenges in Electrical Engineering and Applications, Organized by IRTT, Erode, 29<sup>th</sup> February & 1<sup>st</sup> March 2012.
5. Ravi, V. “An Optimized Method for Power System Stabilization with Modified Artificial Bee Colony Technique”, National Conference on Recent Trends in Computational Intelligent Technique in Power System, Organized by Vivekanandha College of Engineering for Women, Tiruchengode, 18<sup>th</sup> February, 2012.
6. Ravi, V. and Jemina, M. “A Fault Detection Strategy for IGBT Based on Gate-Voltage and Current Transformer Behavior Applied to a Motor Drive System”, National Conference on Communication Technology Interventions for Rural and Social Development (NCCTIRD – 2012), Organized by Sri Krishna College of Engineering and Technology, Coimbatore, pp. 542-547, February 16<sup>th</sup> & 17<sup>th</sup>, 2012.
7. Ravi, V. and Prakasam, K., “Artificial Neural Networks in Electrical system”, National Conference on Future of Electrical and Instrumentation Technology (ECLECTIC – 2009), Organized by Vivekanandha College of Engineering for Women, Tiruchengode, pp. 7, 9<sup>th</sup> April, 2009.
8. Ravi, V. and Rayappan, G., “Power System Stabilizer for a Multi-Machine System using Neuro-Fuzzy”, National Conference on Intelligent Techniques in Electrical, Electronics and Instrumentation Engineering (ECLECTIC 2008), Organized by Vivekanandha College of Engineering for Women, Tiruchengode, pp. 21, 14<sup>th</sup> April, 2008.

## International Conference: 11

1. V.Ravi, "A Non-Invasive way to determine Blood Type based on Antigen Property" International Online Conference on Current Trends and Challenges in Health Care Informatics and Technology (ICCTCHIT'20), organized by K.S.R. College of Engineering, Tiruchengode, 10<sup>th</sup> to 12<sup>th</sup> December 2020.
2. V.Ravi, "IoT based Solar Powered Seed Sowing Agriculture Robot" International Conference on Power Engineering (POWERCOIN'20), organized by Sona College of Technology, Salem, 12<sup>th</sup> & 13<sup>th</sup> March 2020.
3. V.Ravi, "Non-Invasive Blood Group using Internet of Things" International Conference on Power Engineering (POWERCOIN'20), organized by Sona College of Technology, Salem, 12<sup>th</sup> & 13<sup>th</sup> March 2020.
4. V.Ravi, "Generation of Electricity Through Vertical Axis Wind Turbine in Highways" DST-SERB Sponsored International Conference on Innovations in Science, Engineering and Technology for Sustainable Development (ISETSD-2018), organized by Muthayammal Engineering College, Rasipuram, 30<sup>th</sup> & 31<sup>st</sup> March 2018.
5. V.Ravi, "Statistical Feature based Support Vector Machine Approach for the Detection of Lung Cancer in CT Images", 3<sup>rd</sup> International Conference on Frontiers of Computational Intelligence, organized by K.S.Rangasamy College of Technology, Tiruchengode, 5<sup>th</sup> March 2016.
6. V.Ravi and A.Dhivya, "Bidirectional High Frequency Single Phase Converter for Nonlinear Loads" DRDO Sponsored 2nd International Conference on Innovations in Information Embedded and Communication Systems (ICIIECS'15), organized by Karpagam College of Engineering, Coimbatore, 19<sup>th</sup> and 20<sup>th</sup> March 2015.
7. V.Ravi and S.Suresh, "Power Factor Correction using Modified SEPIC Converter with SOFT Switching Technique", International Conference, organized by Karunya University, Coimbatore, 2013.
8. V.Ravi and K.Duraiswamy, "Effective Optimization Technique for Power System Stabilization using Artificial Bee Colony", International Conference on Computer Communication and Informatics (ICCCI-2012), organized by Sri Shakthi Institute of Engineering & Technology, Coimbatore, 10<sup>th</sup> to 12<sup>th</sup> January 2012. (Indexed in IEEE Xplore)
9. V.Ravi and K.Duraiswamy, "An Enhanced Genetic Algorithm Technique for Stabilizing the Power Systems", International Conference on Intelligent Information Systems and Management (IISM'12), organized by RVS College of Engineering and Technology, Coimbatore, 12<sup>th</sup> to 14<sup>th</sup> July 2012.
10. V.Ravi and M.Jemina, "A Fault Detection Strategy for IGBT based on Gate-Voltage behavior applied to a Motor Drive System", International Conference on Emerging Trends in Communication (ICETC-12), Organized by Maria College of Engineering and Technology, Attur, 8<sup>th</sup> and 9<sup>th</sup> March 2012.

11. V.Ravi and C.Shankar, "Reduction of Ripple Current using Soft-Switched CCM Boost Converter", International Conference on Intelligent Science & Technology (SUN IIST-11), Organized by Sun College of Engineering & Technology, Nagarcoil, March 2011.

#### **International Journal: 17**

1. Dr.V.Ravi, Nandha Balaji L," Optimal Power Management of Renewable Energy Resources In Micro Grids Power Management System", International Journal for Science and Advance Research in Technology, Vol. 8, No. 5, pp. 1208-1211, 2022.
2. Dr.V.Ravi, Hari Krishanan.M, Narayanan.M, Nitheshwaran.K, Shibin Joswa.E," Multifunction Hand Dispenser With Fog and Temperature Scanner Energy", International Journal of Intellectual Advancements and Research in Engineering Computations, Vol.10,No. 2, pp. 1-6, 2022.
3. V.Ravi, G.R.Suresh and K.Kalaiselvi, "An Efficient Approach for the Detection of Link Failures in WBAN System for Health Care Applications" International Journal of Communication Systems (Wiley), Vol. 32, Issue 15, August 2019. <https://doi.org/10.1002/dac.4112>
4. V.Ravi, G.R.Suresh and K.Kalaiselvi, "Genetic Algorithm based Sensor Node Classifications in Wireless Body Area Networks (WBAN)", International Journal of Networks, Software Tools and Applications, Vol. 22, No. 5, pp. 12849-12855, March 2018.
5. V.Ravi, G.R.Suresh and K.Kalaiselvi, "An Energy Efficient Classification Approach for the Detection of Interference in Wireless Body Area Network", International Journal of Printing, Packaging & Allied Sciences, Vol. 4, No. 6, pp. 4252-4259, December 2016.
6. V. Ravi, G. Vijayakumar and C. Karthikeyan, "Operation of PV System With DC-DC Boost-Fed Shunt Active Filter to Mitigate Current Harmonics and Energy Conservation", Journal of Testing and Evaluation, Vol. 44, Issue 1, pp. 342-347, January 2016.
7. V.Ravi and Jennetmary I, "A Survey of Detection of Lung Cancer in CT images", Indian Journal of Engineering, Vol. 13, No. 31, pp. 65-74, 2016.
8. V.Ravi and Jennetmary I," Lung Image Segmentation in CT Images using Active Shape Model (ASM)", International Journal on Concurrent Applied Research in Engineering and Management, Vol. 1(4), pp. 1-5, 2016.
9. V.Ravi, G.Vijayakumar and C.Karthikeyan," Novel Optimized Operation of Wind System based Shunt Active Filter (W-SAF) to Mitigate the Current Harmonics for Energy Conservation", Istanbul University - Journal of Electrical and Electronics Engineering, Vol. 14, No. 2, pp. 1825-1835, 2014.

10. V.Ravi and K.Duraiswamy, "Optimized Power System Stabilization using Modified Artificial Bee Colony", Archives Des Sciences (ISSN: 1661-464X), Vol. 65, Issue 4, April 2012.
11. V.Ravi and Dr.K.Duraiswamy," A Novel Power System Stabilization Technique using Non-Dominated Ranked Genetic Algorithm" International Journal of Soft Computing, Vol. 7, No. 2, pp. 50-57, 2012.
12. V.Ravi and M.Jemina, "A Fault Detection Strategy for IGBT based on Gate-Voltage and Current Transformer Behavior Applied to a Motor Drive System", Bonfring International Journal of Power Systems and Integrated Circuits (ISSN 2250 – 1088), Vol. 2, Special Issue 1, Part 1, pp. 09-14, 2012.
13. V.Ravi and K.Duraiswamy, "A Novel Power System Stabilization Technique using Advanced Genetic Algorithm Optimization Approach", Bonfring International Journal of Power Systems and Integrated Circuits, Vol. 2, No. 1, pp. 08-14 March, 2012.
14. V.Ravi and K.Duraiswamy, "Artificial Bee Colony Optimization for Effective Power System Stabilization", Istanbul University - Journal of Electrical Electronics Engineering Vol. 11, No. 2, pp. 1367-1374, 2011.
15. V.Ravi and K.Duraiswamy, "A Novel Power System Stabilization using Artificial Bee Colony Optimization", European Journal of Scientific Research (ISSN: 1450-216X), Vol. 62, No. 4, pp. 506-517, 2011.
16. V.Ravi and K.Duraiswamy, "Effective Power System Stabilization using Non-Dominated Ranked Genetic Algorithm", Global Journal of Researches in Engineering (General Engineering), Vol. 11, Issue 5, Version 1, pp. 33-40, 2011.
17. V.Ravi and K.Duraiswamy, "A Survey on Power System Stabilization", Global Journal of Researches in Engineering (Electrical and Electronics Engineering), Vol. 11, Issue 5, Version 1, pp. 29-36, 2011.