

## PROFILE

**Dr.T.Venkatesan,B.E.,M.E.,Ph.D.,**

**Professor**

Department of Electrical and Electronics Engineering

K.S.Rangasamy College of Technology

Tiruchengode-637 217, Namakkal District

Tamilnadu, India

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## RESEARCH INTERESTS

Economic Dispatch, Unit Commitment problem solution using soft computing Techniques, Photovoltaic system, Facts Device, Matrix Converters and Intelligent Techniques, Fault current Limiter.

## ACADEMIC PROFILE

Degree	Institution/University	Specialization	% of Marks / Class obtained	Year of completion
Ph.D.	Anna University Chennai (Part time)	power system Engineering	-	2013
M.E.	Annamalai University, cidhamparam. (Regular)	Power System Engineering	7.6 (CGPA)/ I	Nov 2002
B.E.	Regional Engineering College, Trichrapalli. (Part time) (NIT-Trichy)	EEE	56/ II	Nov 1997
DEEE	The Salem polytechnic, Salem. (Regular)	EEE	72/ II	1991

## PROFESIONAL EXPERIENCE

**Teaching: UG - 20.8 years**

**PG - 13 years**

**Research: 11 years**

S.No	Institution	Post held	Period	
			From	To
1	K.S.R. College of Technology, Tiruchengode	Professor	01.07.2013	Till Date
2	K.S.R. College of Technology, Tiruchengode	Asst. Professor	01.07.2003	30.06.2013
3	K.S.R. College of Technology, Tiruchengode	Lecturer	28.05.2003	30.06.2003
4	V.M.K.V Engineering College, Salem	Lecturer	06.04.1998	27.05.2003

## JOURNAL PUBLICATIONS/CONFERENCES/WORKSHOPS

Journal Publications		No. of Conferences attended		No. of Workshop/Seminar/STTP	
National	International	National	International	Attended	Organized
01	40	07	9	23	6

## TITLE OF Ph.D. THESIS

Profit Maximization of Genco's Using Heuristic Approach Based Generation Scheduling with Emission Limitation

## LIST OF PUBLICATIONS MADE

1. **Venkatesan, T.** and Sanavullah, M.Y. "SFLA Approach to Solve PBUC Problem with Emission Limitation", **International Journal of Electrical Power & Energy Systems**, 46, pp.1-9, Mar 2013.
2. **Venkatesan, T.** Thangavel, S. and Sanavullah, M.Y. "Shuffled Frog Leaping Algorithm Based Solution to the Profit Based Unit Commitment Problem", Archives Des Sciences, Vol.65,No.4,pp.52-63, Apr 2012.
3. **Venkatesan, T.** and Sanavullah, M.Y. "Implementation of Modified SFLA for the Thermal Unit Commitment Problem", International Review on Modelling and Simulations, Vol.5, No.1, pp.450-457, February 2012.
4. **Venkatesan, T.** and Muniraj, C. "A Solution to the Profit Based Unit Commitment Problem Using Integer-Coded Bacterial Foraging Algorithm.", International Review on Modelling and Simulations, Vol.5, No.1, pp.450-457, February 2014.
5. Swathi Priya, M. and **Venkatesan, T.** "A Dynamic Voltage Restorer with Voltage Sag Compensation at Medium Voltage Level Using PI Control Scheme" International Journal of Advanced Research in Electrical, Electronics and Instrumentation Engineering, Vol. 3, Issue 2, pp.7544-7552, February 2014.
6. T. Mohanapriya, T.R. Manikandan, **T. Venkatesan**, "Forecasting of Utility Cost in a Deregulated Electricity Market by Using Locational Marginal Pricing" TELKOMNIKA Indonesian Journal of Electrical Engineering.Vol. 14, No. 1, pp. 42 ~ 48 April 2015.
7. K. S. Divya and **T. Venkatesan**, "Branch and Bound Technique for Frequency Control Wind/Thermal Generation" International Journal of Advanced Information and Communication Technology, Volume 1, Issue 9, pp. 739 - 743 January 2015.

8. S. Silambarasi and **T. Venkatesan** “Lagrangian Relaxation Based Security Constrained Unit Commitment Considering Voltage Constraint” *International Journal of Advanced Information and Communication Technology*, Volume 1, Issue 9, pp. 746 - 750 January 2015
9. B. Niranjana, S. Gomathi, **T. Venkatesan**, “Demand Management in Hybrid Microgrid” *International Journal of Advanced Information and Communication Technology*, Volume 1, Issue 9, pp. 767 - 770 January 2015.
10. V. Gokul, S. Gomathi **T.Venkatesan**, “P-Q and V-F control of Hybrid Micro grid” *International Journal of Advanced Information and Communication Technology*, Volume 1, Issue 10, pp.771-776, February 2015.
11. K. Dinesh D. Sri Vidhya **T. Venkatesan**, “Decentralized Control of Power Flow In Distribution System” *International Journal of Advanced Information and Communication Technology*, Volume 1, Issue 12, pp-909-912, April 2015.
12. K.S. Divya, **T.Venkatesan**,” Frequency Regulation Based on Meme Technique in Power Generation” *International Journal of Research and Engineering* Volume 2, Issue 4, pp21-24, 2015.
13. B. Niranjana, S. Gomathi, **T. Venkatesan**, “ A Hybrid Microgrid and its Co-Ordination Control With Real- Time Pricing Algorithm” *International Journal of Research and Engineering* Volume 2, Issue 4, pp.41-45, 2015.
14. S.Silambarasi and **T.Venkatesan**, “Voltage Security Constrained Unit Commitment Using Extended Sequential Truncation Technique” *International Journal of Advanced Research in Electrical, Electronics and Instrumentation Engineering*, Vol. 4, Issue 4, pp.2081-2087, April 2015.
15. Silambarasi.S, **Venkatesan.T.** “Voltage Security Constrained Unit Commitment Using Lagrangian Relaxation” *Journal of Recent Research in Engineering and Technology*, Volume 2 Issue 4, pp 29-35, Apr 2015.
16. Arulmurugan, R and **Venkatesan, T.** “Research and Experimental Implementation of a CV-FOINC Algorithm Using MPPT for PV Power System,” **Journal of Electrical Engineering & Technology. Vol. 10, No. 4, pp1389-1399, July 2015.**
17. S.P. Janani Priyadharshna, and **T. Venkatesan** “A Review on Development and Operational Strategy of Fault Current Limiters” *TELKOMNIKA Indonesian Journal of Electrical Engineering*, Vol. 17, No. 1, January 2016, pp. 1 ~ 9, DOI: 10.11591/telkomnika.v17i1.9124
18. S.P.Janani Priyadharshna and **T.Venkatesan** “Enhancement of Transient Conditions by a Solid State Fault Current Limiter in Distribution system” *International Journal of Applied Engineering Research*, Vol. 10, No. 20, pp. 20027-20032, 2015
19. Silambarasi.S, **Venkatesan.T.** “Extended Sequential Truncation Technique Based Security Constrained Unit Commitment considering Voltage Constraint” *International Journal of Applied Engineering Research*, Vol. 10, No. 20, pp. 18538-18541, 2015.
20. Muthukumar.M, **Venkatesan.T** “ A Novel Method to Improve The Performance of D statcom Using Deadbeat Predictive Control Algorithm” *International Research Journal of Engineering and Technology*, Vol. 2, issue.9 , pp. 485-492, Dec.2015.
21. D. Sri Vidhya, **T. Venkatesan** “A Review on Performance Analysis of Matrix Converter Fed AC Motor Drive” **International Journal of Power Electronics and Drive System**, Vol. 7, No. 1, March 2016, pp. 85~93.
22. D. Sri Vidhya, **T. Venkatesan**, N Kanagaraj “Fuzzy Logic Controller for Variable Boost Function in Quasi Z Source Indirect Matrix Converter during Voltage Sag Condition” **Springer, International Journal of Fuzzy Systems** pp-1-11, Online: 11 July 2016 DOI:10.1007/s40815-016-0221-x

23. Sakthivel K., Muniraj C., **Venkatesan T.**, Kavitha C., Balamurugan R., Saranya K “A Support Vector Machines based Classifications of the Diabetes Mellitus from Human Tongue Quantitative Features” *Asian Journal of Research in Social Sciences and Humanities* 2016, Volume : 6, Issue : 7 pp- 584- 592 Online ISSN : 2249-7315.
24. C. Sakthivel, K. Selvakumar and **T. Venkatesan** “Modified SEPIC Converter with High Static Gain for Renewable Energy Applications” *International Journal of Control Theory and Applications*, 9(37) 2016, pp. 865-873. ISSN : 0974-5572
25. K. Selvakumar, C. Sakthivel, C. S. Boopathi and **T. Venkatesan** “Design and Implementation of a Converter Model for Hybrid Electric Vehicle Energy Storage System” *International Journal of Control Theory and Applications*, 9(37) 2016, pp. 1-9. ISSN : 0974-5572
26. K. Selvakumar, C. S. Boopathi and **T. Venkatesan** “Emission Constraint Profit based Unit Commitment Problem using Improved Bacterial Foraging Algorithm” *Indian Journal of Science and Technology*, Vol 9(42), DOI: 10.17485/ijst/2016/v9i42/101863, November 2016 ISSN (Print) : 0974-6846 ISSN (Online) : 0974-5645
27. Mr.V.Gokul, Mrs. S. Gomathi, Dr.T.Venkatesan “ Power Control Analysis of Hybrid Microgrid” *International Journal of Research and Engineering* Volume 2, Issue 4 ISSN 2348-7852 (Print) | ISSN 2348-7860 (Online), pp 50-56
28. D. Sri Vidhya, T. Venkatesan, “Quasi-Z-Source Indirect Matrix Converter Fed Induction Motor Drive for Flow Control of Dye in Paper Mill” **IEEE Transaction on Power Electronics**, March 2017, 10.1109/TPEL.2017.2675903
29. **T. Venkatesan** and S. M. Janani ”Profit Based Unit Commitment Problems with Emission Constraints Using Swarm Intelligence Technique” *CiiT International Journal of Automation and Autonomous System*, Vol 9, No 2, pp.31-38 February 2017.
30. S. Gomathi, T. Venkatesan, D. Sri Vidhya “Design and Implementation of Fault Current Limiters in Distribution System Using Internet of Things” **Springer, Wireless Pers Communication**, <https://doi.org/10.1007/s11277-018-5281-9>
31. C. Sakthivel and **T. Venkatesan**, “Analysis of Non-Isolated Multi-Port Single Ended Primary Inductor Converter or Standalone Applications” *International Journal of Energies*, Vol 10, No 539, pp.1-25 November 2017.
32. G.Malathi and **T. Venkatesan** “performance analysis of PI and Fuzzy Logic controllers of Shunt active power filter for Harmonic suppression” *International Journal of applied Engineering Research*, Vol 10, No 22, pp.42822-42832 November 2015.
33. G.Malathi and **T. Venkatesan** “Comparison of PI and Fuzzy logic control strategies of shunt active filter for power quality improvement” *Advances in Natural and applied sciences*, Vol 10, No 11, pp.167-176 July 2016.
34. C. Sakthivel, **T. Venkatesan**, K.Selvakumar and R.Guru prasath “Direc torque control of Induction motor using fuzzy logic” *Advances in Natural and applied sciences*, Vol 11, No 6, pp.698-707 April 2017.
35. G.Malathi and **T. Venkatesan** “Comparative Analysis Of Filters To Mitigate Harmonics For Power Quality Enhancement” *International Journal of Industrial Electronics and Electrical Engineering*, Vol 4, No 8, pp.96-101 Aug 2016.

36. G.Malathi and **T. Venkatesan** “Harmonic Mitigation Analysis of Pi And Fuzzy Logic Based Shunt Active Power Filters For Different Nonlinear Loads” International Journal of Industrial Electronics and Electrical Engineering,, Vol 4, No 8, pp.51-55, Aug 2016.
37. Syed Zameer Ahmed Khader, Sidhra Syed Zameer Ahmed, Nithiya Priya B Thirunavukkarasu, Krishnaveni Radhakrishnan, Muniraj Chinnusamy, **Venkatesan Thangavel**, Kisore P Venkatesh, Karamchand Ravi, Rajadurai S Ramachandran, Moogambigai S Muthukumar, “In Vitro Radical Scavenging Activity and Modulating Effect of Annona Cherimola on Complications Associated With Diabetes in Experimental Diabetic Rats-An Approach to Evaluate Asymmetrical Temperature Distribution Analysis Using Thermography” Intervention in Obesity C & Diabetes, Crimson publisher, Vol 1, Issu 5, pp.1-7 June 26, 2018. DOI: [10.31031/IOD.2018.01.000522](https://doi.org/10.31031/IOD.2018.01.000522)
38. Kiruthiga Devi V, Venkatesan T and Sri Vidhya D, “ A Review on Smart Grid and its Application” International Journal of Scientific Research & Engineering Trends, Volume 4, Issue 6, Nov-Dec-2018.
39. Kiruthiga Devi V, Venkatesan T “Integration of Renewable Energy Sources in Smart Grid” in IJAREEIE, Volume 8, Issue 2, February 2019
40. Guruprasath R, Venkatesan T “Analysis and Implementation of A Modified Three Port Converter with Power Factor Correction for Dual Voltage Source Applications” Caribbean Journal of Science, Volume 53, ISSUE 2 (MAY - AUG), 2019, pp-274- 283
41. Sidhra Syed Zameer Ahmed VanmathiMarimuthu MunirajChinnusamy **VenkatesanThangavel** KaramchandRavi ManimaranVetrivel “Antiobesity and antihyperlipidemic effect of Ixora coccinea on Triton X-100 induced hyperlipidemia in rats: An approach to evaluate asymmetrical temperature distribution analysis using thermography, Chinese Herbal Medicines, Published by Elsevier, Available online 30 May 2019. <https://doi.org/10.1016/j.chmed.2019.05.006>

Hear

### **International Conferences**

1. **Venkatesan, T.** and Sanavullah, M.Y. “Price Based Unit Commitment problem solution using Shuffled Frog Leaping Algorithm”, Proceedings of International IEEE Conference on ICAESM 2012 at E.G.S. Pillay Engineering College - Nagapattinam, on 30<sup>th</sup> and 31<sup>st</sup> March 2012.
2. **Venkatesan, T.** and Sanavullah, M.Y. “Unit Commitment Problem Solution using Bacterial Foraging Approach”, Proceedings of International Conference on Renewable energy utilization at Coimbatore Institute of Technology, Coimbatore, on 4 – 6 January 2012.
3. **Venkatesan,T.**“SFLA based unit commitment problem solution” in the National Conference on Emerging Trends in Electrical Science, on 4<sup>th</sup> august 2011at Institute Of Road And Transport Technology, Erode.
4. Anbazhagan. T and **Venkatesan. T**, “Fuzzy based Energy harvesting from Standalone Hybrid System”, Proceeding of International conference on Engineering science and Technology (ICEST 2011), April 7-8, 2011 at Dhanalakshmi Srinivasan Engineering College, Perambalur, pp 47-48.
5. **Venkatesan, T** and Balaji G. “design and implementation of current Fed Push- Pull DC-DC Converter”, Proceedings of International Conference on Engineering trends in Engineering Technologies-2010,25&26<sup>th</sup> march at Noorul Islam University, Kumaracoil.

6. K.S. Divya, and **T. Venkatesan**,” Security Constrained Unit Commitment Problem with Frequency Limit Constraint”, Proceedings of International Conference on Advances in Control and Computing of Analog and Digital Systems, 2014, 29 – 31, December 2014, Organized by Department of Electrical and Electronics Engineering Coimbatore Institute of Technology, Coimbatore, India.
7. Silambarasi.S and **Venkatesan.T**,” Extended Sequential Truncation Technique Based Security Constrained Unit Commitment Considering Voltage Constrain, IEEE Sponsored 2nd International Conference on Innovations in Information Embedded and Communication Systems ICIECS’15. pp-1338-1341, organized by Karpagam college of Engineering, 19th & 20th Mar’ 2015
8. **Arulmurugan, R & Dr.Venkatesan T** 2015, ‘Performance calculation and probability lifecycle price investigation of standalone photovoltaic power supply for a residential applications’, Proceeding of Online International Conference on Green Engineering and Technologies at Karpagam College of Engineering, Coimbatore, India, pp.1-6  
**Date of Conference:** 27-27 Nov. 2015, **Date Added to IEEE Xplore:** 19 April 2016, **DOI:** [10.1109/GET.2015.7453785](https://doi.org/10.1109/GET.2015.7453785)
9. C. Sakthivel · T. Venkatesan · V. Jethose · V. R. Guruprasath, “Modeling and simulation of bidirectional AC-DC power converter” 2018 2nd International Conference on Inventive Systems and Control (ICISC) IEEE Conferences at JCT College of Engineering and Technology, Coimbatore pp. 1452 - 1455

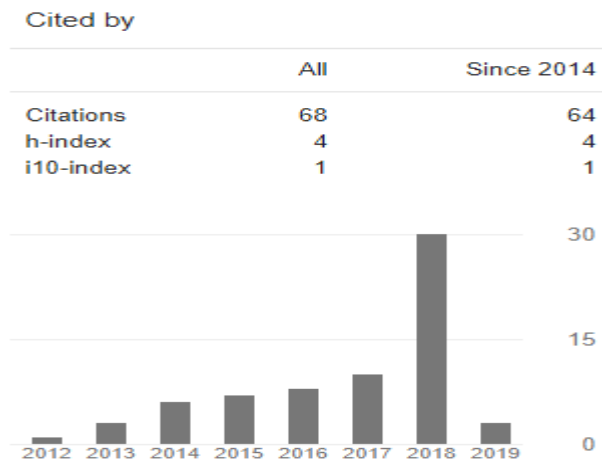
#### **National Conference:**

1. Anbazhagan. T and Venkatesan T., “Standalone hybrid system for electrification of rural Area”, Proceedings of National Conference on Advancement in Electrical Sciences, Feb 24<sup>th</sup> 2011 at SNS College of Engineering and Technology ,Coimbatore, pp 97.
2. **Venkatesan, T.** and Balaji G. “Industrial Application of High power DC-DC Converter” proceedings of national conference at Sethu institute of Technology(RACCEE) March 2010.
3. **Venkatesan, T. and Ruth, R.** “Dual Bridge Current Fed Converter with Centre Tap Induction” 4th national conference on cutting edge technologies in power conversion and industrial drives, EEE Dept. Bannari Amman Institute of Technology. pp 153-158 on 22-23 feb 2008.
4. **Venkatesan, T. and Dr.M.Y.Sanayullah** “Design and implementation of current fed Dual-Bridge Converter with no Dead time” Proceedings of CIIT-08 at K.S.Rangasamy College of Technology, Tiruchengode, Namakkal. Pp 187-192, 14<sup>th</sup> March 2008.
5. **Venkatesan, T.** and Sanavullah, M.Y. “Fuzzy unit commitment by simulated annealing algorithm” proceedings of national on intelligent Techniques in Electrical, Electronics and Instrumentation Engineering at Vivekanandha College of Engineering for Women, Trichengode, Namakkal, pp.55 on 14<sup>th</sup> march 2008.
6. **Venkatesan, T. and Ruth, R.** “Current fed Dual-bridge DC-DC converter with no Dead time”, ISRA-08 at Kumaraguru College of Technology, Coimbatore, ID:IE203, 19<sup>th</sup> April 2008.
7. K.S. Divya **T. Venkatesan**, “Security Constrained Unit Commitment Problem Based on Memetic Algorithm in Thermal-Wind Generation” National Conference on Emerging Techniques in Electrical Engineering 15th April 2015, pp.111-116, Organized by Department of Electrical and Electronics Engineering Institute of Electrical and Electronics Engineers (IEEE) & ISTE Chapter at St. Joseph’s College of Engineering, Chennai.
8. C. Sakthivel, T. Venkatesan, Neural Network based MPPT for PV with Reduced steady-state Oscillation Control System Proceedings of - National Conference on Recent Trends in Information, Communication And Electrical Technologies 2<sup>th</sup> April 2016 at JCT College of Engineering and Technology, Coimbatore, pp-91

9. C. Sakthivel, T. Venkatesan, K.Selvakumar, Dr.E.Parimalasundram, “power quality improvement using DVR based on DFCM Converter” National Conference on emerging trends in Electrical, Electronics and computer Engineering 4<sup>th</sup> April 2018 at JCT College of Engineering and Technology, Coimbatore, pp-18

**GOOGLE SCHOLAR CITATION**

<https://scholar.google.co.in/citations?user=q0EECDoAAAAJ&hl=en>



**SCOPUS INDEX**

[www.scopus.com/authid/detail.uri?authorId=55316042800](http://www.scopus.com/authid/detail.uri?authorId=55316042800)

Author ID: 55316042800

H- index-4

Total citations **63** by **44** documents

**THESIS SUPERVISED: F O R Ph. D. PROGRAMME**

**Supervisor ID: 2430282 (Old No. 24.03.02) (Anna University, Chennai)**

**Number of scholar Completed: 03**

Sl. No.	Name of the Candidate With Reg. No.	Title of Thesis / Area of Research	Year of Completion
1.	R.ARULMURUG AN 11160431001	Development of lifespan and size estimation schemes and artificial intelligent based maximum power point controller for standalone photovoltaic system	2016
2.	G.Malathi 20083062015	Implementation of Principal Component Analysis Method to Analyse Harmonics and Mitigation of Harmonics Using Shunt Active Power Filter in Power Systems	2017
3.	Sri Vidhya D	Design of Quazi Z source indirect matrix	OCT-2017

	71060422019	converter based induction motor drive system for dye pump application in paper mill.	
4.	Gomathi S 71060422009	Design and Implementation of Fault Current Limiters for Low Voltage Distribution System Monitoring through IoT	JULY-2019
5.	Munusamy S 1513469157	Fuzzy based induction generator controller in wind energy conversion system.	Confirmation completed
6.	Manikandan T R 1514369189	Market analysis of LMP with grid connected renewable energy sources	Confirmation completed
7.	Sakthivel C 1514369237	MPPT control of standalone hybrid power system	Confirmation completed
8.	Priya K L 1524469718	VLSI implementation of MIMO system for point to point communication	Course Work
9.	Gomathy B 1623369207	Doubling the efficiency of solar panel using intelligent technique	Confirmation completed
10	Saravanan D 17173691203	Design and Implementation of Wind Energy Conversion System using Novel Technique	Confirmation completed
11	Narmatha P 17244691263	Localization of RF based wireless capsule endoscopy and design implementation of 3D image reconstruction	Confirmation completed
12	Guruprasath R 17133697179	Auxillary Power Recovery Scheme on Induction Machine	Confirmation completed
13	Sathesh Kumar T 18143697147	Power quality improvement in integrated smart grid.	Course Work
14	Rajasekaran.N	Polymer Nanocomposite material for high voltage cable insulation.	Confirmation completed

### **PROGRAM ATTENDED**

- 2019** NBA Accreditation (NITTR) at K.S.Rangasamy college of technology
- 2018 one day national seminar on How to write a successful project proposal to funding Agencies at K.S.Rangasamy college of technology on 21<sup>th</sup> July 2018
- 2017 one day national seminar on improving your APA Scores based on UGC regulations at K.S.Rangasamy college of technology on 28<sup>th</sup> August
- 2017 Teaching Assistant in two-week workshop “Electric power system” organized by IIT, Kharagpur during 10<sup>th</sup> July to 15<sup>th</sup> July to 27<sup>th</sup> (in K.S.R remote center)
- 2015 participated in a one week AICTE QIP Sponsored short term course titled challenges on insulation reliability in smart grid applications(CIRSA)during 23<sup>th</sup> to 27 Nov 2015
- 2015 participated in a two week ISTE-STTP on Pedagogy for Effective Use of ICT In Engineering Education conducted by IIT bombay during 5<sup>th</sup> to 31 Jan 2015
- 2014 participated in a two week ISTE workshop on control system conducted by IIT bombay during 2<sup>nd</sup> to 12<sup>th</sup> Dec 2014
- 2014 TQIP sponsored Two day Faculty Development Programme on Energy auditing and management, TCE-Maduri. 24.01.2014 to 25.01.2014
- 2011 AICTE Sponsored on National seminar on application of intelligence techniques in the Analysis and design of Electrical systems, KSRCE, 29<sup>th</sup> & 30<sup>th</sup> April 2011



- 2011 AICTE Sponsored on one week staff development program on Computational intelligence to power system analysis, control and optimization (CIPACO) conducted by dep of EEE, Pondicherry Engineering College Puducherry during 6.6.2011-10.6.2011
- 2010 MNRE sponsored National seminar on Modelling and control of renewable energy power plants for efficient and quality power generation during 19<sup>th</sup> to 21<sup>th</sup> 2010
- 2009 National workshop on power electronics application in power systems during 6<sup>th</sup> and 7<sup>th</sup> March 2009
- 2008 National seminar on Emerging trends in embedded controller and its applications during 14<sup>th</sup>, 15<sup>th</sup> Nov 2008
- 2008 Two days National seminar on Neural Networks and its applications during 18<sup>th</sup> & 19<sup>th</sup> July 2008
- 2008 National Conference on Intelligence Tech in Electrical conference, Vivekanadha College of Engg. Women for Engg College 14<sup>th</sup> March 2008
- 2008 CIIT-08 on Design and Implementation of current fed Dual-Bridge Converter with no Dead Time, KSRCT 14<sup>th</sup> March 2008
- 2008 ISRA'08 on current fed Dual-Bridge DC-DC Converter with no dead time, Kumaraguru College of Tech, 19<sup>th</sup> April 2008
- 2008 attended 3 days training programme on Mipower™ Power System Analysis Software Package during 28<sup>th</sup> to 30<sup>th</sup> July 2008
- 2007 AICTE Sponsored on FDP on Recent Trends in Micro electronics and mems, KSRCE, Nov 12<sup>th</sup> - 24<sup>th</sup> 2007
- 2006 ISA Sponsored on National Seminar on Instrumentation on Engineering Practices, Teaching and Research, MIT Chennai, October 27<sup>th</sup> & 28<sup>th</sup> 2006
- 2005 Anna University sponsored a FDP on Electromagnetic Field, KSRCT- November 7<sup>th</sup> - 19<sup>th</sup> 2005
- 2005 workshop on Integrated circuits and Micro controllers, KSRCT- December 8<sup>th</sup> & 9<sup>th</sup> 2005
- 2004 Anna University sponsored National level Seminar attended on Fuzzy logic application for power system, KSRCT-Tiruchengode. March 19<sup>th</sup> & 20<sup>th</sup> 2004
- 2004 Anna University sponsored a FDP on power system operation, IRTT Erode- December 13<sup>th</sup> - 18<sup>th</sup> 2004

### **PROGRAM ORGANIZED**

- 2007 National Level Technical Symposium "ElectroFete 07".
- 2008 National Level Technical Symposium "ElectroFete 08".
- 2014 National Conference on "Emerging Scenario in Power Engineering and Electrical Drives (eSpeed)", March 21 & 22, 2014
- 2013 National Conference on "Emerging Scenario in Power Engineering and Electrical Drives (eSpeed)", Feb 7 & 8, 2014  
Faculty Development Programme on Nanotechnology for Sustainability: Energy Conversion and Storage, December 03 to 15, 2013- sponsored by AICTE, New Delhi, India
- 2012 National conference on efficient power generation and conversation, NCEPGC-2012, March 16 & 17, 2012.  
National Seminar on Nano dielectric material for electrical insulation applications, November 16 & 17, 2012- sponsored by CSIR, New Delhi -India
- 2011 National workshop on Smart grid for Distributed Energy Resources, November, 18 & 19, 2011- sponsored by CSIR New Delhi -India

## INVITED TALKS

1. “Energy auditing” - TEQIP-II sponsored student workshop in government college of engineering, Bargur-635104, Tamil Nadu, on 22nd february2017.
2. “Renewable Energy Source and Power Electronic Applications” AICTE sponsored FDP S R Engineering College, Warangal, Telangana, on 01.12.2017,
3. “Artificial Intelligence (AI) Applications and Techniques in Smart Grid” (Guest speaker) National Level Seminar on 25.7.18 in Karur College of Engineering, Karur, Tamil Nadu.

## PROJECT GUIDED

S.No.	Number of projects		
	UG ( B.E Degree)	PG (M.E Dgree)	Ph.d
1	24	10	12

## TEACHING EXPERIENCE

T. courses      Basic Electrical and Electronic Engineering  
Electric circuit theory  
Electro magnetic Theory  
Digital principles  
Measurement and Instrumentations  
Control systems  
Electrical Machine Design  
Power system Analysis  
Power system operation and control  
Electric power utilization and energy auditing  
Neural Networks and Fuzzy systems  
Power system economics and Deregulation  
Smart Grid

L. courses      Control systems Laboratory  
Electric circuit laboratory  
Digital principles  
Electrical Machines Laboratory  
Power system simulation Laboratory  
Measurements and Instrumentations Laboratory

## DETAILS OF MEMBERSHIP IN PROFESSIONAL SOCIETIES

S. No.	Name of Professional Body	Grade of Membership
1	ISTE	Life Member

## Acted as Board of Studies (BOS) Members

1. Member, BOS at K.S.Rangasamy College of Technology (Autonomous),

Tiruchengode-6372145, Tamilnadu

2. Member, BOS at Adhiyamaan College of Engineering (Autonomous), Hosur, Tamilnadu

### **HONORS**

Best Teacher Award by K.S.Rangasamy College of Technology, Trichengode, Tamil Nadu, India, 2013

### **College Work:**

Class Advisor

Students and Staff Insurance coordinator

NBA work

NACK work

Date:

Place:

Dr.T.Venkatesan