

Dr. V. Saravanan

Professor & Head/PG/EEE
Department of Electrical & Electronics Engineering,
Arunai Engineering College,
Tiruvannamalai 606 603
Tamil Nadu, India

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Employment

23, May 2005 – present

Professor,
Department of Electrical and Electronics Engineering,
Arunai Engineering College,
Tiruvannamalai – 606 603, TamilNadu., INDIA

14, June 2002 – 06 Jan 2003

Lecturer,
Department of Electrical and Electronics Engineering,
Sri Nandhanam College of Engineering & Technology,
Tirupattur - 635601, Vellore District, Tamil Nadu.

01 June 2001 – 31 May 2002

Trainee Engineer, RPG Mobile Communications Limited,
Chennai

Education

2018 – 2019

Indian Institute of Science, Bengaluru, INDIA
Department of Electrical Engineering,
Young Scientist Fellow - Tamilnadu State Council for
Science & Technology, Government of Tamilnadu

2007– 2013

Faculty of Electrical Engineering,
Anna University, Chennai, INDIA
College of Engineering, Guindy
Ph. D in Electrical Engineering

2005 – 2007

Annamalai University, Chidambaram, INDIA
M. Phil (Business Administration)

2003 – 2005

Annamalai University, Chidambaram, INDIA
M. E. (Power System Engineering)

2001 – 2003

Pondicherry University, Pondicherry, INDIA
M.M.M (Master of Marketing Management)

1997 - 2001

University of Madras, Chennai, INDIA
Arunai Engineering College
B. E. (Electrical & Electronics Engineering)

Research Interests

Renewable Energy, Off Shore wind energy systems,
Solar Photovoltaic Power Systems, Smart/Micro grid,
Z source converters/inverters, Impact of renewables on
power system, Power system planning and operating
studies,

Publications:

International Journals:

2019:

- M. Aravindan, V. Balaji, V. Saravanan, M. Arumugam, “Performance evaluation of roof top solar photovoltaic systems in Tamilnadu”, International Journal of Applied Power Engineering (IJAPE) Vol.8, No.3, December 2019, pp. 265~276. DOI: 10.11591/ijape.v8.i3.pp265-276.
- M. Aravindan, V. Balaji, V. Saravanan, M. Arumugam, “Neutral point clamped quasi Z source inverter for photovoltaic systems”, International Journal of Applied Power Engineering (IJAPE) Vol.8, No.3, December 2019, pp. 277~286. DOI: 10.11591/ijape.v8.i3.pp277-286.

2018:

- V. Saravanan, M. Arumugam, Andrey V. Brazhnikov, Igor Bolvashenkov: “Prospects for further development of solar-wind energy systems in Tiruvannamalai district, Tamilnadu and India in general”, International Journal of Applied and Fundamental Research, (ISSN 1996-3955, Publishing house "Academy of Natural History", Germany), URL: www.science-sd.com/478-25491, № 6, 2 p, 2018.
- V.Saravanan, M. Arumugam, Andrey V. Brazhnikov, Igor Bolvashenkov, “Recent developments of smart grid projects in India”, International Journal of Applied and Fundamental Research, (ISSN 1996-3955, Publishing house "Academy of Natural History", Germany) URL: www.science-sd.com/478-25496, № 6,2p, 2018.
- V. Saravanan, M. Aravindan, V. Balaji, M. Arumugam, “Experimental Verification of Single Phase Z Source Inverter for Photovoltaic Applications”, International Journal of Power Electronics and Drive System (IJPEDS) Vol. 9, No. 2, June 2018, pp. 698 - 703 ISSN: 2088-8694, DOI: 10.11591/ijpeds.v9n2.pp698-703. (UGC CARE LIST, Scopus Indexed)

2017:

- A.V. Brazhnikov, V.I. Panteleev, N.N. Dovzhenko, V. Saravanan, and D.A. Sharipov, “Prospects for Application of Multiphase Asynchronous Drives in the Field of Drilling Rigs”, American Journal of Engineering Research, Vol. 6, No. 8, 2017, pp. 34-40
- Brazhnikov AV, Panteleev VI, Dovzhenko NN, CastanedaR.J. Saravanan V.,Sharipov, “Basic provisions and justification of a new concept building high-performance converters of energy”, Modern problems of science and Education, 2017, No. 6 (annex "Technical Sciences"), p. 11, <http://online.rae.ru/2462>.
- V. Saravanan, M. Aravindan, V. Balaji, M. Arumugam, “ Extended Switched Inductor Quasi Z Source Inverter for Photovoltaic Applications”, Journal of Power Electronics & Power Systems, Vol.7, No. 2, pp. 14-23, 2017. (UGC approved, Scopus Indexed)
- Saravanan Vasudevan, Arumugam Murugesan, “Renewable Energy Systems: Technologies and Applications for Future Electric Grid”. Journal of Electrical and Electronic Engineering. Vol. 5, No. 1, 2017, pp. 1-6. doi: 10.11648/j.jee.20170501.11

- V. Saravanan, M. Aravindan, V. Baalaji, M. Arumugam, “Z Source Inverter Topologies-A Survey”, Bulletin of Electrical Engineering and Informatics”, Vol. 6, No. 1, March 2017, pp.1~12, DOI: 10.11591/eei.v6i1.579 (UGC CARELIST, Scopus Indexed)

2015:

- P. Saranya, V. Saravanan, “Collision free packet transmission for localization using underwater acoustic sensor network”, International Journal of Advanced Engineering and Science Research (IJAESR), Vol. 1, No.1, 2015.
- M. Aravindan, V. Saravanan, “ Performance Analysis of Single Phase Inverter for Photovoltaic Systems”, International Journal of Applied Engineering Research (ISSN 0973-4562) Volume 10, Number 36, PP. 27770 – 27774, 2015. (UGC approved, Scopus Indexed)
- S. Birundha, V. Saravanan, “ Design and development of Z source cascaded seven level inverter for solar photovoltaic system”, International Journal of Applied Engineering Research (ISSN 0973-4562) Volume 10, Number 9, PP. 8725 – 8728, 2015. (UGC approved –, Scopus Indexed)
- R. Kavitha, V. Saravanan, “Detection of Uninhabited Spectrum in Cognitive Radio Network” International Journal of Applied Engineering Research (ISSN 0973-4562) Volume 10, Number 9, PP. 6934 – 6938, 2015. (UGC approved , Scopus Indexed)
- V. Saravanan, R. Ramanujam, M. Arumugam, “Novel improved three level Z source inverter”, Australian Journal of Electrical and Electronics Engineering (Taylor & Francis Online), Vol. 12, No.2, pp.133-140, June 2015 (UGC approved , Scopus Indexed) <http://dx.doi.org/10.7158/E14-026.2015.12.2>

2014:

- V. Saravanan, R. Ramanujam, M. Arumugam, “Modified Embedded Switched Inductor Z Source Inverter”, Research Journal of Applied Sciences, Engineering and Technology, 7(17), pp.no. 3544 – 3552, May 2014. (UGC approved, Scopus Indexed) DOI: 10.19026/rjaset.7.707

2012:

- Saravanan Vasudevan, Ramanujam Rangarajan, Arumugam Murugesan, “Highly Efficient Power Conditioning Topologies for Photo-voltaic Applications”, International Journal of Power and Energy Systems (ACTA Press), Vol. 32, No.3, pp. no. 121 – 130, 2012. ISSN 1078 -3466 (Print) (UGC approved, Scopus Indexed) DOI: 10.2316/Journal.203.2012.3.203-4969
- V. Saravanan, R. Ramanujam, M. Arumugam “Switched quasi Z Source Inverters with extended boost capability”, European Journal of Scientific Research, Volume 68, Issue. 3, pp. 440 - 452, 2012. (UGC approved, Scopus Indexed)
- V. Saravanan, R. Ramanujam, M. Arumugam “A new class of improved and embedded Z Source Inverters”, European Journal of Scientific Research, Volume 69, Issue. 2, pp. 197 - 208, 2012. (UGC approved, Scopus Indexed)

International Conference /Seminar Proceedings:

2019:

- **V.Saravanan**, M.A. Kalhan S. Boralessa , K.T.M.U Hemapala, “Demand Pattern of Decentralized Fixed Speed Compressor Air-Conditioning Systems and Demand Response Potential”, 2nd International Conference on Power and Embedded Drive Control (ICPEDC-2019), August 21-23, 2019, Department of Electrical & Electronics Engineering, SSN College of Engineering, Chennai, INDIA.
- **V.Saravanan**, H.V.V.Priyadarshana, K.T.M.U Hemapala, W.D.A.S Wijayapala, ,M.A. Kalhan S. Boralessa, “Developing Multi-Agent Based Micro-Grid Management System in JADE”, 2nd International Conference on Power and Embedded Drive Control (ICPEDC-2019), August 21-23, 2019, Department of Electrical & Electronics Engineering, SSN College of Engineering, Chennai, INDIA.
- R. Linawathi, U. S. Nivedha, E. Sivamathivanthi, R. Sowmya, M. Sabitha,, K.M. Venkatachalam, V. Saravanan, M. Aravindan M. Arumugam, “ Wind resource assessment in Tiruvannamalai district” International Conference on Latest Enhancement in Embedded systems, Automotive Engineering, Disaster management, Evolutionary computation and Renewable Energy (LEADER 2019), Arunai College of Engineering, Tiruvannamalai 606 603, March 15, 2019. **(Best Paper Award)**
- V. Saravanan, K.M. Venkatachalam, M. Arumugam, “Analysis of Single Switch DC-DC Converters for Photovoltaic Applications”, 4th International Conference on Bio Energy, Environment and Sustainable Technologies (BEST 2019), Arunai Engineering College, Tiruvannamalai 606 603, 28 - 30 January 2019.
- K.M. Venkatachalam, V. Saravanan, M. Arumugam, “Demonstration of Hybrid Solar - Wind Power Generation in Tiruvannamalai, Tamilnadu, India”, International Conference on Smart City Model (ICSCM 2019) organised by IEEE Madras Section and IIT Madras, ICSR Building, IIT Madras during 20 – 21 January 2019.

2018:

- V. Saravanan, K. Venkatachalam, M. Arumugam, “ Performance Assessment of Small Wind Energy Conversion System in Tiruvannamalai District” International Conference on Small Wind Turbine, organized by National Institute of Wind Energy, An Autonomous R & D Institution under Ministry of New & Renewable Energy, Government of India during 10 -13 December 2018.
- A.V. Brazhnikov, V.I. Panteleev, V.N. Timofeev, N.N. Dovzhenko, R.J. Castañeda, A. Buchacz, A. Baier, V. Saravanan, “Novel Types of Windmill-Electric Generation Plants”, European Advanced Energy Materials and Technology Congress (“AEMC ‘2018”), 25-28 March 2018, Stockholm, Sweden, <https://www.vbripress.com/aemc18/>
- V. Saravanan, M. Aravindan, V. Balaji, M. Arumugam, “ Prospects of DC Microgrid in Tiruvannamalai District, Tamilnadu” in International R & D Conclave on “Emerging Opportunities and Challenges of R & D in Indian Power Sector” during 20th and 21st February 2018 at Vigyan Bhavan, Delhi organized by Central Electricity Authority, Ministry of Power, Government of India. (pg. no.527 to 535, Session III: Distribution)

2017:

- Saravanan Vasudevan, Arumugam Murugesan “Recent developments of solar photovoltaic systems in India”, 2017 IEEE 44th Photovoltaic Specialists Conference (PVSC), pp.no. 2172 – 2175, Washington, DC, United States of America, 25 - 30 June 2017. DOI: 10.1109/PVSC.2017.8366335
- V. Saravanan, M. Aravindan, V. Baalaji, M. Arumugam “Development of Smart grids in India”, Proceedings of TEQIP-II Sponsored International Conference on Contemporary Topics in Power Engineering and Aiding Technologies (ICCPEAT’2017), 24th - 25th, February, 2017, Pondicherry Engineering College, Puducherry, INDIA. Paper ID: PEC081.

2016:

- V. Saravanan, M. Arumugam, S. Ganesh Babu “Development of Solar Parks in India” 26th International Photovoltaic Science and Engineering Conference (PVSEC-26), Solar Energy Research Institute, National University of Singapore, Singapore, 24 – 28 October 2016.
- V. Saravanan, M. Arumugam, R. Venkatesan “Progress of Solar Photovoltaic Systems in India” 32nd European Photovoltaic Solar Energy Conference and Exhibition (EUPVSEC 2016), pp.no. 2933 – 2936, ICM-International Congress Center, Munich, Germany, 20 – 24 June 2016. DOI:10.4229/EUPVSEC20162016-7EO.2.6.
- M. Aravindan, V. Balaji, V. Saravanan, M. Arumugam, “Extended Switched Inductor Quasi Z Source Inverter, 5th IEEE sponsored International Conference on Computation of Power, Energy, Information and Communication, Department of Electrical and Electronics Engineering, Adhiparasakthi Engineering College, Melmaruvathur, Tamilnadu on 21st & 22nd April 2016.
- P. Saranya, V. Saravanan, M. Divya, “ Bit error rate analysis of cognitive radio under fading channels”, IEEE sponsored World Conference on Futuristic Trends in Research and Innovation for Social Welfare (WCFTR’16), Department of Electronics and Communication Engineering, Karpagam College of Engineering, Coimbatore, Tamilnadu on 29 February & 1 March 2016. DOI: 10.1109/STARTUP.2016.7583992
- P. Saranya, V. Saravanan, “ Collision free packet transmission for localization”, International Conference on Advances in Electrical, Electronics and Computational Intelligence (ICAEECI’16) held at K.S.R College of Engineering, Tiruchengode, Tamilnadu on February 22, 2016.
- M. Aravindan, V. Balaji, V. Saravanan, M. Arumugam, “Topologies of Single Phase Z Source Inverters for Photovoltaic Systems”, Biennial IEEE International Conference on Power & Energy Systems: Towards Sustainable Energy (PESTSE), Department of Electrical and Electronics Engineering, Amrita Vishwa Vidyapeedam, Amrita School of Engineering, Bengaluru, 22 January 2016. DOI: 10.1109/PESTSE.2016.7516438, Print ISBN: 978-1-4673-6658-8

2015:

- S Birundha, V. Saravanan, “ Design and Development of Z Source Cascaded Seven level Inverter for Solar Photovoltaic System”, 2nd International Conference on Engineering Technology and Science, Muthayammal College of Engineering, Rasipuram on 5th & 6th March 2015.
- R. Kavitha, V. Saravanan, “Detection of Uninhabited Spectrum in Cognitive Radio Network”, 2nd International Conference on Engineering Technology and Science, Muthayammal College of Engineering, Rasipuram on 5th & 6th March 2015.
- M. Divya, V. Saravanan, “ Revamped Cooperative Spectrum Sensing in Cognitive Radio using data fusion”, IEEE 2nd International Conference on Knowledge Collaboration in Engineering (ICKCE – 2015), Kathir College of Engineering, Coimbatore, March 27th & 28th 2015.
- S Birundha, V. Saravanan, “ Design and Development of Z Source Cascaded Seven level Inverter for Solar Photovoltaic System”, 4th IEEE sponsored International Conference on Computation of Power, Energy, Information and Communication, Department of Electrical and Electronics Engineering, Adhiparasakthi Engineering College, Melmaruvathur, Tamilnadu on 22nd & 23rd April 2015, pp.no. 87 – 92. DOI: 10.1109/ICCPEIC.2015.7259446 , INSPEC Accession Number: 15440672.

2014:

- R. Johnpeter, V. Saravanan, “ A new approach for Wi-Fi assisted navigation system for VANET” International Conference on Computational Intelligence & Advanced Manufacturing Research – ICCIAMR 2014, Vels University, Chennai on 2nd & 3rd May, 2014.

2013:

- C. Rajkumar, V. Saravanan, “ Battery Energy Storage through photovoltaic system” International Conference on Computational Intelligence and Advanced Manufacturing Research (ICCIAMR 2013)”, VELS University , Chennai, India, on 5 & 6 April, 2013.
- S. Prasath Kumar, V. Saravanan, “ An Efficient approach for Home Energy Management System”, Second International Conference on Electrical and Electronics Engineering & Technology (ICEEET’13), Muthayammal Engineering College, Rasipuram, Tamil Nadu, India, 25 & 26 April 2013.
- A. Indumathi , V. Saravanan, “ Soft switching bridgeless DC- DC converter for Electric Vehicles”, 4th International Conference on Advances in Computer, Communication & Management organized by Sun College of Engineering & Technology, Erachakulam on February 18-20, 2013.

2012:

- V. Saravanan, P. Sureshkumar, R. Ramanujam. and M. Arumugam. “Comprehensive Analysis of Z Source DC/DC Converters for DC power supply systems”, Proceedings of 38th Annual Conference of IEEE Industrial Electronics Society – (IECON2012), Ecole de technologie superieure (ETS),

Montreal, QC, Canada, 25 Oct – 28 Oct 2012, pp. no. 5280 – 5284, 2012 (DOI: 10.1109/IECON.2012.6389540, ISSN: 1553-572X ,E-ISBN :978-1-4673-2420-5 , Print ISBN:978-1-4673-2419-9 INSPEC Accession Number:13223123).

- Amal Thukku, V. Saravanan, R. Ramanujam, M. Arumugam “ A modified seven level H bridge Z Source Inverter for Photovoltaic Systems”, Proceedings of the IET – Chennai Third International Conference on Sustainable Energy and Intelligent Systems – (SEISCON 2012), pp.no. 1-7, Vivekanandha College of Technology for women, Tiruchengode, Tamilnadu, India on 27-29 December, 2012. pp.no. 212-218, (DOI: 10.1049/cp.2012.2217, E-ISBN :978-1-84919-797-7, INSPEC Accession Number:13915236)
- Amal Thukku, V. Saravanan, R. Ramanujam, M. Arumugam “ Improved Quasi Z Source Inverter topologies for Photovoltaic Systems”, Proceedings of the IET – Chennai Third International Conference on Sustainable Energy and Intelligent Systems - SEISCON 2012, pp.no. 1-6, , Vivekanandha College of Technology for women, Tiruchengode, Tamilnadu, India on 27-29 December, 2012. pp.no. 219-224, (DOI: 10.1049/cp.2012.2218, E-ISBN :978-1-84919-797-7, INSPEC Accession Number: 13915237)
- K. Satheeswaran, V. Saravanan, “Analysis of Quasi Z-source Inverter Under Different Control Strategies” “International Conference on Computing and Control Engineering” Dr.M.G.R Education & Research Institute University, Chennai, India, on 12 & 13, April, 2012.
- R. Sundarraj, V. Saravanan, “Analysis of Single phase Z-source Inverter” “International Conference on Computing and Control Engineering” Dr.M.G.R Education & Research Institute University, Chennai, India, on 12 & 13, April, 2012.
- R.Satheesh,S.Prabhu, V.Saravanan,V.Chandrasekar,Dr R.Arumugam,Dr M.Arumugam, “Flow Analysis of Novel Pole Shapes Switched Reluctance Hub Motor” International Conference on Computing and Control Engineering (ICCCE 2012), 12 & 13 April, 2012. (Cited in peer refereed journal)
- Prakash Kumar, V, Prabhu, S, Saravanan, V, Chandrasekar, V,Arumugam, M &Arumugam, R, ‘Vibration Reduction of Switched Reluctance Hub Motor’, International Conference on Computing and Control Engineering (ICCCE 2012), 12 & 13 April, 2012.

2011:

- T. Rampradesh, V. Saravanan, R. Ramanujam, M. Arumugam “Comprehensive Analysis of Z Source Inverter topologies for Photo Voltaic Systems”, Proceedings of the IET – Chennai Second International Conference on Sustainable Energy and Intelligent Systems – (SEISCON 2011), Dr. M.G.R. University, Maduravoyal, Chennai, Tamil Nadu, India. July. 20-22, 2011. pp.no. 97-103,2011. (DOI: 10.1049/cp.2011.0342, INSPEC Accession Number: 12357073) (**Best Paper Award**)

National Conference/Seminar Proceedings:

2019:

- V. Saravanan, “ Artificial Intelligence approaches for mining operations in Indian Context” National Seminar on Sustainable Coal/Lignite Mining Scenario, Technology, Issues & Approach, Learning and Development Center, NLC INDIA LIMITED (Formerly Neyveli Lignite Corporation Limited), Block – 20, Neyveli, Tamilnadu, 19 – 20, January 2019.
- V. Saravanan, “ Solar Photovoltaic Energy System in Tiruvannamalai District”, 3rd All India Youth Conference: Jagruti’19, “ Sustainable Rural Habitat – Returning to Our Roots” organised by Student’s Council, IISc and Think India, JN Tata Auditorium, IISc Bengaluru on 12-13, January 2019.

2018:

- K. M. Venkatachalam, V. Saravanan, “ Performance assessment of improved Z source inverter for Induction motor drive”, National Conference on Advances in Electrical & Electronics Engineering (NCAEEE -2018), organized by Department of Electrical & Electronics Engineering, SriVenkateswara College of Engineering, Pennalur, Sriperumbudur, 602117, Tamilnadu.
- V. Saravanan, M. Aravindan, V. Balaji, M. Arumugam, “ Prospects of Offshore Wind Power Generation in India” Proceedings of NLCIL and Institution of Engineers India Neyveli Local Chapter Sponsored National Seminar on Emerging Energy Scenario in India – Issues, Challenges and Way Forward, (NLCIL – National Seminar 2018), Learning and Development Center, NLC INDIA LIMITED (Formerly Neyveli Lignite Corporation Limited), A Navaratna Enterprise, Government of India, Neyveli, Tamilnadu. (pg. no.62 to 69, Renewable Energy Section), 20 – 22 January 2018.
- V. Saravanan, M. Aravindan, V. Balaji, M. Arumugam, “ Smart metering and Big Data Analytics in Smart Grid” Proceedings of NLCIL and Institution of Engineers India Neyveli Local Chapter Sponsored National Seminar on Emerging Energy Scenario in India – Issues, Challenges and Way Forward, (NLCIL – National Seminar 2018), Learning and Development Center, NLC INDIA LIMITED (Formerly Neyveli Lignite Corporation Limited), A Navaratna Enterprise, Government of India, Neyveli, Tamilnadu. (pg. no.161 to 170, Renewable Energy Section), 20 – 22 January 2018.
- V. Saravanan, M. Aravindan, V. Balaji, M. Arumugam, “ Status of Solar Photovoltaic Systems in India” Proceedings of NLCIL and Institution of Engineers India Neyveli Local Chapter Sponsored National Seminar on Emerging Energy Scenario in India – Issues, Challenges and Way Forward, (NLCIL – National Seminar 2018), Learning and Development Center, NLC INDIA LIMITED (Formerly Neyveli Lignite Corporation Limited), A Navaratna Enterprise, Government of India, Neyveli, Tamilnadu. (pg. no.189 to 198, Renewable Energy Section), 20 – 22 January 2018.
- V. Saravanan, M. Aravindan, V. Baalaji, M. Arumugam “Communication Technologies practiced in Smart Grid”, Proceedings of NLCIL and Institution of Engineers India Neyveli Local Chapter Sponsored National Seminar on Emerging Energy Scenario in India – Issues, Challenges and Way Forward, (NLCIL – National Seminar 2018), Learning and Development Center, NLC INDIA LIMITED (Formerly Neyveli Lignite Corporation Limited), A Navaratna Enterprise, Government of India, Neyveli, Tamilnadu. (pg. no.180 to 188, Renewable Energy Section), 20 – 22 January 2018.
- V. Saravanan, M. Aravindan, V. Balaji, M. Arumugam, “ Prospects of DC Microgrid in Tiruvannamalai District, Tamilnadu” Proceedings of NLCIL and Institution of Engineers India Neyveli Local Chapter Sponsored National Seminar on Emerging Energy Scenario in India – Issues, Challenges and Way Forward, (NLCIL – National Seminar 2018), Learning and Development

Center, NLC INDIA LIMITED (Formerly Neyveli Lignite Corporation Limited), A Navaratna Enterprise, Government of India, Neyveli, Tamilnadu. (pg. no.171 to 179, Renewable Energy Section), 20 – 22 January 2018.

2016:

- V. Saravanan, M. Arumugam, “ Wind Power Developments in India: A Way Forward” in All India Power Seminar – 2016 (Present Scenario in Power Sector & Future Challenges) on the eve of Diamond Jubilee Celebrations held on 09th & 10th September 2016 at Learning and Development Center, NLC INDIA LIMITED (Formerly Neyveli Lignite Corporation Limited), A Navaratna Enterprise, Government of India, Neyveli, Tamilnadu. (pg. no.103 to 107, Renewable Energy Section)
- V. Saravanan, M. Arumugam “ Solar Photovoltaic Systems: Impacts, Merits and Vision for the Future” in All India Power Seminar – 2016 (Present Scenario in Power Sector & Future Challenges) on the eve of Diamond Jubilee Celebrations held on 09th & 10th September 2016 at Learning and Development Center, NLC INDIA LIMITED (Formerly Neyveli Lignite Corporation Limited), A Navaratna Enterprise, Government of India, Neyveli, Tamilnadu, India. (pg.no. 2 to 8, Renewable Energy Section)
- V. Saravanan, M. Arumugam “ Solar Parks in India: Challenges, Barriers and Recommendations” in All India Power Seminar – 2016 (Present Scenario in Power Sector & Future Challenges) on the eve of Diamond Jubilee Celebrations held on 09th & 10th September 2016 at Learning and Development Center, NLC INDIA LIMITED (Formerly Neyveli Lignite Corporation Limited), A Navaratna Enterprise, Government of India, Neyveli, Tamilnadu, India. (pg. no. 88 to 95, Renewable Energy Section)
- V. Saravanan, M. Arumugam “ India’s Solar photovoltaic systems progress” in All India Power Seminar – 2016 (Present Scenario in Power Sector & Future Challenges) on the eve of Diamond Jubilee Celebrations held on 09th & 10th September 2016 at Learning and Development Center, NLC INDIA LIMITED (Formerly Neyveli Lignite Corporation Limited), A Navaratna Enterprise, Government of India, Neyveli, Tamilnadu, India. (pg. no.96 to 102, Renewable Energy Section)

2015:

- M. Aravindan, V. Saravanan, “Performance Analysis of Single Phase Inverter for Photovoltaic systems”, National Conference of Advances in Electrical and Electronics Engineering (NCAEEE – 2015), Sri Venkateswara College of Engineering, Sriperumbudur, Tamilnadu on 17th and 18th April 2015.
- M. Divya, V. Saravanan, “Enhancement of Cooperative Spectrum Sensing in Cognitive Radio Network” National Conference on Modern Electronics and Signal Processing – NCMESP’15, Department of Electronics and Communication Engineering, Velammal Engineering College, Chennai on 13th March, 2015.
- M. Divya, V. Saravanan, “ Incentivize Cooperative Spectrum Sensing in Cognitive radio using Data Fusion” National Conference on Computing and Information Systems , Kongu Engineering College, Erode on 06 – 07, February 2015.

- R. Kavitha, V. Saravanan, “ Detection of untenanted Spectrum in Cognitive Radio using Non Cooperative Spectrum Sensing” National Conference on Computing and Information Systems , Kongu Engineering College, Erode on 06 – 07, February 2015.

2014:

- E. Xavier Alex, V. Saravanan, “Grid tied photovoltaic system with switched capacitor quasi Z source Inverter”, 4th National Conference on Endorsement in Electrical Sciences (NCEES’14), Adithya Institute of Technology, Coimbatore on 19th March 2014.
- G. Vengadesan, V. Saravanan, “ Modified Series Z- Source NPC Inverter for grid tied photovoltaic system” National Conference on “ Recent Trends in Power Electronics and Power Systems (RTPEPS’14)” conducted by S.K.P Engineering College, Tiruvannamalai, TamilNadu on 14th March 2014.
- G. Vengadesan, V. Saravanan, “ Series Z- Source NPC Inverter for grid tied photovoltaic system”, 4th National Conference on Endorsement in Electrical Sciences (NCEES’14), Adithya Institute of Technology, Coimbatore on 19th March 2014.

2012:

- K. Bharathi, V. Saravanan “Space vector PWM technique for three phase VSI fed induction drives” 8th National Conference on Efficient Power Generation and Conversion” Efficient Electrical Systems”, organized by Department of Electrical & Electronics Engineering, K.S.Rangasamy College of Technology, Tiruchengode 16 March 2012.
- R. Sundarraj, V. Saravanan “Analysis of Single Phase and Three Phase Z Source inverter” National Conference on “Technological Advancements in Power System & Power Electronics Engineering” Organized by Department of Electrical and Electronics Engineering, Easwari Engineering College, Chennai. on 19th April 2012, pp. 77 – 81.
- S. Prasathkumar, V Saravanan, “ An efficient approach for home energy management system” National Conference on “ Modelling, Simulation and Optimisation” organized by Vels University, Chennai on 2nd November, 2012.
- S. Sivasankar, V Saravanan, “High performance virus detection processor for embedded network security” National Conference on “ Modelling, Simulation and Optimisation” organized by Vels University, Chennai on 2nd November, 2012.

2011:

- A. Rajan, V. Saravanan “Modelling and Simulation of Solar PV arrays ”, CSIR & IEEE Sponsored 7th National Conference on Power Electronics and Controllers for Renewable Energy Systems (PECRES – 2011), organized by Department of Electrical & Electronics Engineering, K.S.Rangasamy College of Technology, Tiruchengode, Tamil Nadu, pp.no. 5 – 9, March 18 – 19, 2011.
- G. Udaykumar, V. Saravanan “Highly Efficient Power Conditioning Topologies for photo voltaic applications”, CSIR & IEEE Sponsored 7th National Conference on Power Electronics and Controllers for Renewable Energy Systems (PECRES – 2011), organized by Department of Electrical & Electronics Engineering, K.S.Rangasamy College of Technology, Tiruchengode, Tamil Nadu, pp.no. 110 – 114, March 18 – 19, 2011.

- T. Rampradesh, V. Saravanan “Comparative Analysis of Series, Parallel and Switched Inductor Z Source Inverter for PV systems”, UGC Sponsored National Conference on “Congestion Management and Restructured Power Systems”, March 12 – 13, 2011, organized by Department of Electrical Engineering, FEAT, Annamalai University, Annamalai Nagar, Tamil Nadu, pp.no. 115 – 119, 2011.
- A. Ganeshkumar, V. Saravanan “Design Analysis of an Improved Unified Power Quality Conditioner”, UGC Sponsored National Conference on “Congestion Management and Restructured Power Systems”, March 12 – 13, 2011, organized by Department of Electrical Engineering, FEAT, Annamalai University, Annamalai Nagar, Tamil Nadu, pp.no. 184 – 189, 2011.
- T. Rampradesh, V. Saravanan “Analysis of Quasi Z Source Inverter topologies for Photovoltaic Systems”, 2nd National Conference on Modelling, Simulation, Design and Experimental Study of Electrical Systems (MOSDES 2011), organized by Department of Electrical & Electronics Engineering, B S Abdur Rahman University, Chennai, pp. no. 570 – 579, April 11, 2011.
- T. Rampradesh, V. Saravanan “Comprehensive Study of Z Source Inverter topologies for hybrid PV Systems”, National Conference on Energy, Systems and Control (NCESC 2011), organized by Department of Electrical & Electronics Engineering, Hindustan University, Chennai, pp. no. 47 – 57, April 20 & 21, 2011.

2006 - 2010:

- S. Priyadharshini, V. Saravanan “Z – source inverter for power conditioning and utility interface of renewable energy sources”, VIRTUOSO '10, Adhiyamaan College of Engineering, Hosur held on 17-18.03.2010.
- D. Paranthaman, V. Saravanan “DC- AC Cascaded H – Bridge multilevel inverter without inductors used in electric/hybrid vehicle applications”, 5th National level Conference on Intellectual Perspectives on Intelligent Control (IPIC–2010), organized by Department of Electrical & Electronics Engineering, Annai Mathammal Sheela Engineering College, Namakkal, 25 March ,2010.
- S. Bhanumathi, V. Saravanan “An efficient simulated annealing algorithm based power system stabilization" in National Conference, AICOT–2010, Sengunthar Engineering College, Thiruchengode held on 22 April 2010.
- V. Saravanan, M. Arumugam, “Continuation power flow method for the computation of post Contingency system margins in power systems”, ELECON 2006, National Conference on “Recent Advancements in Operation and Control of Large Scale Power Systems”, organized by Department of Electrical Engineering, FEAT, Annamalai University, Annamalai Nagar, Tamil Nadu, March 25 – 26, 2006 pp.n0. 237 – 243.

Book Chapters:

1. M. Aravindhnan, V. Saravanan. (2017). Performance Analysis of Single Phase Inverter for Photovoltaic Systems. Advanced Engineering Research and Applications (AERA), Volume IV Research India Publications, India, Vol.4, pp.no. 131-143. ISBN: 978-93-86138-76-7
2. S. Birundha, V. Saravanan. (2017). Design and Development of Z Source Cascaded Seven Level Inverter for Solar Photovoltaic System. Advanced Engineering Research and Applications (AERA), Volume IV Research India Publications, India, Vol.4, pp.no. 144-153. ISBN: 978-93-86138-76-7.

Sponsored Projects:

Sl. No.	Title of the Project	Amount in Rs.	Funding Agency	Period	Remarks (Completed/ Ongoing)
1	Reconfigurable architecture for Solar Photovoltaic microgrid systems	12,15,000	Indo-Srilanka Joint Research programme, by Department of Science & Technology (DST), Government of India and Ministry of Science, Technology & Research (MSTR), Government of Sri Lanka	2018-2020	Ongoing
2	Design and development of efficient power conditioning system for grid connected wind – solar hybrid power generation in Tiruvannamalai district	17,04,000	Wind Energy Division, Ministry of New & Renewable Energy, Government of India	2017 - 2019	Completed
3	Design, Development and Deployment of Grid Interfaced Power Conversion Unit for Solar – Wind Power Generation Systems	3,45,000	Central Power Research Institute, Bangalore (A Government of India Society under Ministry of Power)	2016 - 2018	Completed
4	Z - Source Inverter for Solar Photovoltaic applications	85,000	Indian Electrical & Electronics Manufacturer's Association, Mumbai	2009 - 2010	Completed
5	Design, Analysis, Fabrication and testing of Linear Switched Reluctance Motor for rope less Elevator Applications	1,30,000	Tamil Nadu State Council for Science & Technology, Chennai Government of Tamilnadu	2008- 2010	Completed

Consultancy Activities:

Sl. No.	Name of the Organization	Year	Amount (Rs.)
1	KCP Solar Industry, Salem & Food Corporation of India, Chennai (Real Time Performance Assessment of Solar Photovoltaic Systems)	2013 – 2014	10000/-
2	TANGEDCO, TNEB, Tiruvannamalai (Power Quality Measurement)	2011 – 2014 (once in a Year)	5000/-
3	Arunai Engineering College (Energy Efficiency & Auditing)	2014	2000/-

Awards & Honours

- ISTE – Syed Sajid Ali National Award for Outstanding Research Work in Renewable Energy – 2018 by Indian Society for Technical Education (ISTE), New Delhi, 48th ISTE National Annual Convention held at Visvesvaraya Technological University, Belagavi, Karnataka during 19th & 20th March 2019.
- Best Research Paper Award, “Wind resource assessment in Tiruvannamalai district”, at Second International Conference on Latest Enhancement in Embedded systems, Automotive Engineering, Disaster management, Evolutionary computation and Renewable Energy (LEADER 2019), Arunai College of Engineering, Tiruvannamalai 606 603 on March 15, 2019.
- Best ISTE Chapter Chairman Award by ISTE Tamilnadu Section (2018), 21th ISTE TN&P Section Annual Convention for Engineering Faculty Members – 2018 at Karpagam Institute of Technology, Coimbatore during 29 -30 March 2019.
- Received the travel grant from Tamilnadu State Council for Science and Technology, Chennai and Centre for International Co –operation in Science, Chennai (Promoted by Indian National Science Academy (INSA) in association with Scientific Agencies & Departments) for attending 32nd European Photovoltaic Solar Energy Conference and Exhibition (EUPVSEC 2016), ICM-International Congress Center, Munich, Germany, 20 – 24 June 2016.
- ISTE- Stripes of Redeemer National Award for the Best ISTE Chapter Chairman (College) for the year 2014 by Indian Society for Technical Education (ISTE), New Delhi, 44th ISTE Annual National Convention at College of Engineering, Trivandrum on 27th November 2014.
- Produced University Gold Medalists (Anna University, Chennai) in M.E Power Electronics & Drives in the Year 2007 & 2014 and M.E Embedded System Technologies in the Year 2015.
- Best Research Paper Award for, “Comprehensive Analysis of Z Source Inverter topologies for Photo Voltaic Systems”, at Second International Conference on Sustainable Energy and Intelligent Systems (SEISCON 2011), organised by IET - UK, Young Professional Section Chennai Network and Dr. M.G.R. University, Chennai, on July 20 – 22, 2011.
- Co – Investigator in Tamil Nadu State Council for Science & Technology – R & D sponsored project with a grant in aid of Rs. 1.30 Lakhs on "Design, Analysis, Fabrication and testing of Linear Switched Reluctance Motor for rope less Elevator Applications".
- Co - Co ordinated AICTE sponsored Staff Development Programme on Advanced Machines for Electric propulsion systems, Nov 16 – 29, 2009. (F. No.: 1 -78/FD/SDP (172)/08 – 09 dated 12.03.2009)

- Consistent recipient of Best Faculty Award from the host institution for producing cent percent University results.
- Received the Meritorious Student Prize from State Board of Examinations, Government of Tamil Nadu in 1995.

Ph. D guidance @ Anna University, Chennai

1. Venkatachallam KM (2018), “ Design and Development of Z source grid connected hybrid renewable energy systems”,– Ongoing. (Supervisor)
2. Boopalan C (2017) Investigation of Artificial Intelligence based MIC-UPFC on improving power system parameters. (Joint Supervisor)

Student Project Awards:

PG Project Awards

- Guided a Project titled, “SNR Vs Symbol Error rate analysis in MIMO system” won ISTE-L & T Best M.Tech. Thesis Award in Electrical & Electronics Engineering instituted by Larsen & Toubro Ltd., Mumbai by Indian Society for Technical Education, New Delhi for the year 2016.

UG Project Awards

- Guided a Project titled, “Performance Analysis of Switched Inductor Z Source Inverter under different switching algorithms” won Baba Banda Singh Bahadur Engineering College, Fatehgarh Sahib, Punjab National Award for Best B.Tech Project from Engineering Colleges related to Sustainable Development by Indian Society for Technical Education, New Delhi for the year 2018.
- Guided a Project titled, “Analysis of Series Z Source Inverter & implementation of embedded Z Source Inverter for PV systems” won ISTE – NIT Kozhikode National Award for Best B.Tech Project for the Year 2011.
- Guided a Project which demonstrates the working model of "Z - Source Inverter for Solar Photovoltaic applications" at ELECRAMA-2010, 9th International Exhibition of Electrical and Industrial Electronics Industry), Project Competition by IEEMA held at Bombay Exhibition Centre, Mumbai, which won Third Prize worth of Rs. 85,000/- during January 20 to 24, 2010.

Projects Guided:

PG Projects:

1. M. Sabitha (2019) Feasibility Analysis of Renewable Powered Microgrid in North Tamilnadu.
2. Anitha K (2016) Design of power and area optimized 8 bit ALU using GDI Technique

3. Saranya P (2016) Collision free packet transmission for localization using underwater acoustic sensor network (Dec 2015) SNR Vs Symbol Error rate analysis in MIMO system (June 2016)
4. Birundha S (2015) Design and Development of Z Source Cascaded Seven Level Inverter for Solar Photovoltaic System.
5. Ezilarasi A (2015) Development of a novel Z Source inverter –Induction motor drive for water pumping applications.
6. Divya M (2015), Incentivize Cooperative Spectrum Sensing in Cognitive Radio Networks using Data Fusion.
7. Kavitha R (2015), Detection of untenanted spectrum in Cognitive Radio using Non Cooperative Spectrum Sensing.
8. P Rakesh (2015), Reactive Power Compensation using Shunt Active Filter in PV System.
9. S Suganya (2015), Cascaded Multilevel Inverter for Induction Motor drive.
10. Xavier Alex. E (2014), Switched capacitor quasi Z Source Inverter based Permanent Magnet Brushless DC motor Drive.
11. Vengadesan. G (2014), Series Z Source Neutral point clamped Inverter for grid tied photovoltaic system
12. John Peter. R (2014), Wi-Fi based assisted navigation system in vehicular AD-HOC Network
13. Amal Thukku (2013), An Improved H – bridge Z Source Inverter.
14. A. Indumathi (2013), Soft Switching Bridgeless DC- DC converter for Electric Vehicles.
15. S. Prasathkumar (2013), An efficient approach for Home Energy Management System.
16. C. Rajkumar (2013), Battery Energy Storage through Photovoltaic System.
17. K. Bharathi (July 2012), FPGA based real time implementation of vector control technique in SVPWM switched two level VSI fed induction drive.
18. K. Saktheeswaran (July 2012), Hardware implementation of quasi Z source inverter for photovoltaic system, (Dec 2011), Hardware implementation of extended SL – Quasi Z source inverter for photovoltaic systems.
19. R. Sundarraj (July 2012), Three phase three level improved Z source Inverter, (Dec 2011), Single phase semi Z source Inverter .
20. A. Rajan (June 2011), FPGA based DC-DC buck boost converter for photovoltaic systems. (Dec 2010), Modelling and simulation of solar photovoltaic arrays.
21. T. Rampradesh,(June 2011), Hardware Implementation of two level embedded Z source Inverter for photovoltaic systems, (Dec, 2010) Design and prototype development of dual input – dual output Z source Inverter for grid connected photovoltaic systems
22. G. Udaykumar , (June 2011), Hardware implementation of diode assisted cuk based buck – boost VSI, (Dec 2010), Design & Prototype development of diode assisted cuk based buck – boost VSI
23. A. Ganeshkumar (June 2011), Hardware implementation of three phase four wire unified power quality conditioner (Dec 2010), Design and prototype development of three phase four wire unified power quality conditioner,.

24. S. Priyadharshini, (2009), Z – source inverter for power conditioning and utility interface of renewable energy sources.
25. D. Paranthaman,(2009), DC- AC Cascaded H – Bridge multilevel inverter without inductors used in electric/hybrid vehicle applications.
26. S. Bhanumathi, (2009), An efficient simulated annealing algorithm based power system stabilization.

UG Projects:

1. R. Linawathi et.al (2019). Renewable Energy based IoT enabled Demand Response management.
2. Antony Praveen. S et.al (2018). Analysis of switched inductor Z source inverter under different switching algorithms
3. V. Saranya et.al (2018). Performance Analysis of Neutral point clamped quasi Z source inverter for grid connected system
4. B. Dharshinya et.al (2017). Improved single phase quasi Z source inverter for photovoltaic systems.
5. V. Ashok et.al (2017). Light based home automation.
6. R. Murali at.al (2016). Single Phase Z – Source Inverter.
7. K. Keerthana et.al (2016). Extended Switched Inductor Quasi Z source inverter.
8. K.Ananth (2015),Signal flow graph analysis of Z source network for photovoltaic systems.
9. R.Aadarsh (2015), Analysis of DC- DC converters for photovoltaic systems.
10. U. Yuvaraj, et.al (2014), A novel three phase four wire UPQC .
11. P. Krishnaveni, et.al (2014), Improvement of PV penetration with DSTATCOM in distribution systems.
12. J. Arunraj, et.al (2013), Modified embedded switched inductor Z source inverter.
13. R. Logu, et.al (2013), Maximum power point tracking for PV array under partially shaded conditions.
14. Aadil Ahmed S, et.al (2012), Design and Hardware implementation of cascaded DC link two level hybrid Z source inverter for photovoltaic power systems.
15. Aarthi. B, et.al (2012), Analysis of alternatively cascaded impedance network of neutral point clamped inverter for photovoltaic systems.
16. K. Dayanithi, et.al (2011), Analysis of series Z source inverter & Implementation of Embedded Z source inverter for PV systems.
17. S. Ganesh babu et.al (2010), Z – Source Inverter for photovoltaic systems.
18. S. Hemachandran et.al (2010), Modelling of electrical systems using PSCAD.
19. S. Naveen et.al (2007), Identification of critical bus bar in electric power systems.
20. S. Karthiyaraj et.al (2006), Information communication infra structure for electric power systems.

Administrative and Other Works:

- **Head/PG Studies and Head/UG Studies** of the Department till date.
- Co ordinated in **NAAC, NBA, University, ISTE** meets & inspections, Time Table, Test, Result Analysis and Placement cell responsibilities for the **past eleven years**.

- **Organized Department's National/international Conference at various capacities for the past seven years.**
- Instrumental in the department for *signing MoU with Industries*.
- Co ordinated **College's Annual Cultural Activities, Graduation day, Alumni meetings, Job fair** etc.
- **Chapter Chairman of ISTE Chapter** (Indian Society for Technical Education, New Delhi) of **Arunai Engineering College (AEC), Tiruvannamalai Feb14, 2006 – Till date.**

During this period, I played my role as chapter chairman of AEC to achieve the following:

- **20 National Awards** (16 ISTE National Awards for B.E/B.Tech/M.E/M.Tech Projects by Students of EEE, CSE, IT, Civil Engineering , M.E Embedded System Technologies during 2009 – 2017 and 03 National Awards by Staff, 01 Institution Award),
- **15 State Awards** (01 –Institution, 02- Staff, 12 – Students)
- **13 National conferences** organized by Department of Civil, CSE, ECE ,EEE and Mechanical Engineering in association with ISTE Chapter of the Institution during 2013 – 2018.
- **50 + Workshops/Guest lectures** in association with various departments over the years with experts from abroad Universities, Government bodies, Industry and Academia during 2008 to till date.
- **200 + Staff and students attended National/State level conventions supported with travel grants during 2009 – till date.**
- **AICTE – ISTE Short term training programme conducted during 2008, 2009**
- **ICMR - ISTE Joint National Seminar** during 28, 29 December 2011
- **5th Annual ISTE Students Convention and Technical Meet**” organized by Arunai Engineering College (AEC) during 30 September, 2005.
- **Faculty Chapter established** at AEC during 08th October, 2009.
- **Institution and Student Chapter established** at AEC during 2000.
- Organized/presented during AICTE-ISTE sponsored Staff/ Student level Programmes at AEC twice
- Conducted Student Motivational Activities like Quantative Aptitude/ Communication Skills evaluation and Best Student Selection annually during department level workshops.
- Participated in National Level Student Convention thrice at various places in India with more than 100 students.
- **ARUNAI ENGINEERING COLLEGE, TIRUVANNAMALAI received BEST ISTE STUDENT CHAPTER AWARD for the year 2017 and BEST ISTE FACULTY CHAPTER AWARD for the year 2018**
- Enrolled **7405 ISTE Student and 203 ISTE Life memberships for staff** at AEC.

Technical Presentations:

Technical Presentations	Date
Tata Power Solar Systems Limited, Bangalore	01 October 2016
Ministry of Science and Technology, Government of India, New Delhi	04 May 2016
Ministry of New & Renewable Energy, Government of India, New Delhi	23, April 2018 20, November 2017 5 August 2015
Electronics & Controls Power Systems Pvt. Ltd, Bengaluru	16 October 2015
National Institute of Wind Energy (Formerly CWET) Chennai	11 June 2015
Central Power Research Institute, Bengaluru	15, May 2015 04, June 2011
ABB Limited, Bengaluru	10 July 2014
Voltech Industries, Chennai	26 March 2014
KCP Solar Industries, Salem	14 December 2013
PSCAD ASIA Corporate meet, Bengaluru	11, January 2012
Swelect Energy Systems Limited, Chennai, Tamilnadu (Formerly M/s Numeric Power Systems Ltd Chennai)	12, February 2011

MoU's Signed with Industries:

Name of the Industry	Date
Fluxgen Technologies Limited, Bengaluru	11 th June 2018.
UTL Technologies Limited, Bengaluru	22 nd January 2015
Voltech Industries, Chennai	26 th March 2014
KCP Solar Industry, Salem	14 th December 2013
Solkar Solar Industy Ltd., Chennai	12 th February 2012
Manasa Green Sun Pvt. Ltd., New Delhi	21 st November 2011
Structural Solutions Pvt. Ltd, Hyderabad	22 nd September 2010
Physics Instruments Company, Chennai	24 th November 2008
Numeric Power Systems Ltd, Chennai	17 th November 2008
Suma Soft Pvt. Ltd, Pune	29 th August 2008
Wavetech Engineers Pvt. Ltd, Bangalore	06 th October 2005
Carizen Electrical Ltd, Chennai	22 nd April 2005

Seminars & Invited Lectures:

1. Delivered a lecture titled, “Grid Interfaced Power Conversion unit for Solar – Wind Power Generation System” Internal symposium organized by Department of Electrical and Electronics Engineering, Mailam Engineering College, Mailam, Villupuram District, Tamilnadu on 12 March 2019.
2. Delivered a lecture on, “RE 25 (Renewable Energy)” at Government Library, Aradapattu, Tiruvannamalai on 25.02.2019, organized by National Service Scheme Unit, Arunai Engineering College, Tiruvannamalai 606 603.
3. Delivered an invited lecture on, “ Purpose of Project based learning for School Students”, at TECHNO TALENT – 2018, Fifth State level Mega Science Exhibition and Contest held at Jeeva Velu International School, Tiruvannamalai 606 603 on 11 November 2018.
4. Delivered a lecture on “ Solar Photovoltaic Systems and its Applications at CONSTELLATION’18, State Level Technical Symposium organized by Department of Science & Humanitiest, Arunai Engineering College, Tiruvannamalai 606 603 on 11th April 2018.
5. Delivered a lecture titled, “ Status of Renewable Energy in India” in 6th National Conference on Intelligent Computing Techniques in Electrical and Electronics Engineering 2018 (ICTEEE’18) organized by Department of Electrical and Electronics Engineering, Mailam Engineering College, Mailam, Villupuram District, Tamilnadu on 21 March 2018.
6. Delivered a lecture on “ Solar Photovoltaic Power by 2022” at Government Library, Aradapattu, Tiruvannamalai on 11.03.2018, organized by National Service Scheme Unit, Arunai Engineering College, Tiruvannamalai 606 603.
7. Delivered a lecture on, “Photovoltaic Power Generation in Tiruvannamalai District: Outcomes and Challenges: A way forward”, at Kumaran Polytechnic College, Tiruvannamalai 606 603 on 09 February 2018.
8. Delivered a lecture on Progress of Solar Photovoltaic Systems in India at Department of Electrical and Electronics Engineering, C. Abdul Hakeem College of Engineering & Technology, Melvishram, Vellore on 28.04.2017.
9. Delivered a lecture on Solar Photovoltaic Power by 2022 at Government Higher Secondary School, S. Pappambadi, Tiruvannamalai on 05.03.2017, organized by National Service Scheme Unit, Arunai Engineering College, Tiruvannamalai 606 603.
10. Delivered a lecture on Solar Photovoltaic Power by 2022 at Government Higher Secondary School, Kattampondi, Tiruvannamalai on 21.03.2016, organized by National Service Scheme Unit, Arunai Engineering College, Tiruvannamalai 606 603.
11. Delivered an invited lecture on, “ Power Quality perspective in Photovoltaic Systems” at 3rd National Conference on Recent Trends in Electrical, Electronics & Communication

Engineering (RTEECE'15), Sri Balaji Chockalingam Engineering College, Arni 632 317, 23rd March 2015.

12. Delivered an invited lecture on, “ Purpose of Project based learning for Engineering & Polytechnic Students”, at TREE organized by Arunai College of Engineering, Tiruvannamalai 606 603 on 13th February 2015.
13. Delivered an invited lecture on, “Recent Trends in Power Electronics & Power Systems” at National Conference on Recent Trends in Power Electronics & Power Systems , organized by Department of Electrical and Electronics Engineering, S.K.P Engineering College, Tiruvannamalai on 14th March 2014.

National Conference/Symposiums organized:

1. National Level Technical Symposium, QAUSAR 2K19, organized by Dept. of Electrical & Electronics Engineering and Department of Electronics & Instrumentation Engineering in association with Indian Society for Technical Education, New Delhi on 20 September 2019.
2. National Level Technical Symposium, QAUSAR 2K18, organized by Dept. of Electrical & Electronics Engineering and Department of Electronics & Instrumentation Engineering in association with Indian Society for Technical Education, New Delhi on 28 September 2018.
3. National Level Technical Symposium, FORGE 2K18, in association with Indian Society for Technical Education, New Delhi organized by Department of Mechanical Engineering on 12 September 2018.
4. National Level Technical Symposium and Expo, POINTERS2K17, in association with Indian Society for Technical Education, New Delhi, organized by Dept. of Computer Science Engineering on 7 September 2018.
5. 14th National Level Conference (FORGE'18), organized by Dept. of Mechanical Engineering in association with ISTE Chapter/AEC during 09 March 2018.
6. National Conference on Recent Trends in Civil Engineering (NCRTCE 2K18), organized by Dept. of Civil Engineering in association with ISTE Chapter/AEC during 07 February 2018.
7. National Level Technical Symposium and Expo, POINTERS2K17, 24 August 2017 in association with Indian Society for Technical Education, New Delhi, organized by Dept. of Computer Science Engineering
8. National level Project Expo, on 23rd March 2017, presided by Er. P. G. Gopi, Superintending Engineer, TNEB, Tiruvannamalai.
9. National Conference on Recent Trends in Civil Engineering, NCRTCE'17, 15 February 2017 in association with Indian Society for Technical Education, New Delhi, organized by Dept. of Civil Engineering.
10. National Level Technical Symposium and Expo, POINTERS2K16, 01-02 September 2016 in association with Indian Society for Technical Education, New Delhi, organized by Dept. of Computer Science Engineering
11. National Conference on Green and Sustainable Technologies, February 19 – 20, 2015 in association with Indian Society for Technical Education, New Delhi, Presided by Mr.

- KP Abbas, Chief Manager, BCH Electric Limited, Chennai & Mr. A. Raja Sukumar, President, Indo Wind Energy Limited, Chennai.
12. National Conference on Recent Trends in Communication & Signal Processing (NCCSP'15), February 27th & 28th, 2015, in association with Indian Society for Technical Education, New Delhi, organized by Dept. of Electronics & Communication Engineering, Presided by Mr. G. Srinivasan, Director – Reactor Operations Maintenance Group, IGCAR, Kalpakkam
 13. National Level Technical Symposium and Expo, POINTERS2K15, 03-04 September 2015 in association with Indian Society for Technical Education, New Delhi, organized by Dept. of Computer Science Engineering
 14. National Conference on Advances in Electrical Energy and Intelligent Control Systems, March 06 – 07, 2014, Presided by Mr. P. Kanagavel, Scientist, National Institute of Wind Energy (Formerly Centre for Wind Energy), Chennai.
 15. National Conference on Innovative Techniques in Electrical Engineering, February 21 – 22, 2013, Presided by Mrs. N. Easwari, Deputy General Manager, SAS Tendering, Alstom Grid, Chennai.
 16. National Conference on Emerging Trends in Renewable Energy & Electrical Engineering, March 08 – 09, 2012, Presided by Mr. K.E. Raghunathan, Managing Director, Solkar Solar Industry Ltd., Chennai and Mr. A. Ilangovan, Managing Director, Consun Energy Solutions Pvt Ltd., Bangalore.
 17. National level Technical Symposium (QUASAR'10), September 08 -09, 2010, Presided by Mr. Buddappa Kaki, Manager, SSPL, Bangalore.
 18. National level Technical Symposium (QUASAR'09), September 10 -11, 2009, Presided by Mr. P. Rangaraj, Chemin Control and Instrumentation Pvt Ltd., Puducherry.

Kindly Visit the Websites to know more about National Conference Organized:

1. <http://www.youtube.com/watch?v=MNAOvWY5YPU>
2. <http://www.youtube.com/watch?v=7cBWeYU-d6c>
3. <http://www.youtube.com/watch?v=0pWo2Rbfl94>
4. https://www.youtube.com/watch?v=_5ADb_8htdw
5. <https://www.youtube.com/watch?v=zwfxEAAmWJo>

Some of my other works and appreciations can be find in:

1. https://www.facebook.com/permalink.php?story_fbid=10157914762430087&id=757620086
2. <http://www.arunai.org/cocurricularActivity.html>
3. <http://www.arunai.org/electricalElectronics.html>
4. <https://www.facebook.com/photo.php?fbid=576723632450971&set=a.249949598461711.54686.100003400171182&type=1&theater>
5. <https://www.facebook.com/photo.php?fbid=10152910935110087&set=a.479956190086.263394.757620086&type=1&theater>
6. https://drive.google.com/drive/folders/0B1iR5twII_EIODI0Sk1HS2otNTQ

Industry associated Training Programme/ Workshop organized in EEE Dept.

Sl. No.	Date	Activity	Guest(s)
1	03 October 2017	Industry linked Colloquium – Department of Electrical & Electronics Engineering	Mr. R. Srivatsa Head – Quality, Opex and EHS ABB India Ltd Nelamangala Taluk Bangalore, Karnataka
2	July 08, 2016	Expert talk on “ Energizing innovative Young minds for India’s Global Leadership”	Dr. A. Sivathanupillai, Honorary Distinguished Professor – ISRO
3	July 31, 2015	Inauguration of Society of Electrical & Electronics Engineers	Dr. K. Balaraman CGM & Head – Power System, Power Research & Development Consultants Pvt. Ltd,Bangalore
4	22nd & 23rd January 2015	Building Embedded Systems with ARM Cortex – M MCUs in association with UTL Technologies Limited, Bangalore, Karnataka for Faculties and Post Graduate Students	
5	08 October – 20 October 2014	Schneider Electric, India - Xperience Efficiency Hour/ Webcast Registered User /Service Provider for PG Students, Staff	
	8 October 2014	Data centres of the Future	Mr. Swaminathan Venkataraman Director - Sales
	9 October 2014	Smart Energy Solutions for the Industries	Mr. Kanwaljeet singh Kukreja Business Development Manager Mr. Vishal Basotra GM – Marketing & Strategy
	10 October 2014	Efficient Industry	Mr. Piyush Rajpal Senior Manager – Product Marketing Mr, Manish Gokhale GM – Business Development
	13 October 2014	Making Smart & Intelligent Buildings – A reality	Mr. Shailendra Shukla Director – Eco Buildings
	14 October 2014	Efficient Energy Management- The Future is Now	Mr. Abraham Varughese General Manager – Sales Power Solutions
	16 October 2014	Digitization in Electrical Distribution	Mr. Simit Desai Asssitant General Magarer LVP solutions
	17 October 2014	Smart Energy Solutions for the Utilities	Mr. Sandeep Selot Director Marketing and Strategy Energy Business Mr. Bhupesh Arora

			GM – Sales & Marketing Mr. Vishal Bastora General Manager Sales
	20 October 2014	Making Cities future ready	Mr. Kanwaljeet singh Kukreja Business Development Manager
6	07 September 2013	Invited talk on Solar Power	Mr. Kalyan, Director, Adarsh Powerway Systech (P) Ltd., Chennai
7	27 July 2012	EEE Society Inauguration	Mr. P. Kumar General Manager – Solar Division, Zynergy Projects & Services Pvt. Ltd., Chennai
8	15 February, 2012	Motivational Programme on, “Life Skills” for UG & PG Students	Thiru.G. Rajkalki Soft Skill Trainer Madras Management Association, Chennai
9	10 January, 2012	Guest Lecture on “Fuel Cells and its Recent Developments” for UG Students of EEE & PG students of Power Electronics & Drives & Embedded System Technologies.	Mr. Kathiravan R Subramanian Director & Vice President Sales & Corporate Relations, Dr. Mani Narayanasamy, Director & Senior Vice President R&D Mr. Arunachalam Chief Operating Officer, Ingsman Energy and Fuel Cell Research Organization Private Ltd., Chennai
10	21, September 2011	Inauguration of “RENEWABLE ENERGY CLUB” & Signing of MOU between Manasa Green Sun Pvt. Ltd, New Delhi & Arunai Engineering College	Shri. B. Surender Mohan, Director (Mines), Neyveli Lignite Corporation, Neyveli Shri.P.Subhas Chandra Bose, Managing Director, Manasa Green Sun Pvt. Ltd, New Delhi
11	9, February 2011	National Franchisee training program for Students and Staff	Experts from Rural Electrification Corporation Ltd., Ministry of Power, Govt. of India & STC/HRD, TANGEDCO, Tiruvannamalai (Subsidiary of TNEB Ltd.,)

Staff Development /Training Programme/ Workshop organized:

Sl. No.	Date	Activity	Guest(s)
1	31st August 2016	Invited Lecture on “ Power Generation by Nuclear Power Plant’	Mr. S. K. Patnaik, Chief Engineer (Electrical Construction, Bharatiya Nabhikiya Vidyut Nigam Limited, Department of Atomic Energy, Kalpakkam, Kancheepuram District, Tamilnadu
2	March 17, 2016	Invited talk on Benchmarking Strategies for Renewable Energy Systems	Dr. N. Kumaresan Associate Professor, National Institute of Technology, Tiruchirappali Mr. S. R. Nanda Kishore Wind & Site Engineer Vestas Wind Technology India Pvt Ltd Chennai
3	February 20, 2016	Invited Lecture on Recent Trends in Electrical Engineering	Dr. Santhosh Kumar Annadurai Deputy General Manager R & D Competence Centre, Gas Insulated Substations, Alstom T & D India Limited, Chennai
4	August 04, 2014	Inauguration of Society of Electrical & Electronics Engineers	Mr. D. Karthikesan, Director-ISRO, PROPULSION COMPLEX, MAHENDRAGIRI
5	March, 17 – 18, 2014.	PLC & SCADA training programme for UG & PG Students	Control Logic, Kancheepuram
6	20 December 2012	FDP program & Lab familiarization for Engineering College Teachers on Emerging Trends in Electrical & Embedded Technologies	Mr. Prassana Shankar, Regional Manager, Trident Techlabs Pvt. Ltd, Chennai – 32
7	16 August 2012	Invited Talk on Smart Grid	Prof. P. S. Nagendra Rao,

			Professor Dept. of Electrical Engineering, Indian Institute of Science, Bangalore
8	11 February, 2012	Guest Lecture on “Recent Trends in Solid State AC Drives” for PG students of Power Electronics & Drives & Embedded System Technologies.	Dr S. Jeevananthan, Associate Professor/EEE, Pondicherry Engineering College, Puducherry
9	27 December, 2011	Guest Lecture on “LECTURE SERIES” for UG EEE Students	Mr. L.K.Sankaran Sr.Manager, Training, TNEB Tiruvannamalai
10	19 November, 2011	One Day Workshop on “Embedded Systems: Current Trends & Career Prospects” for PG Students	Mr.A.R.Krishnaa Mr. T. Anantha Velavan, Project Team Leader(s) Jasmin Infotech Pvt. Ltd. Chennai
11	17, October 2011	Career Guidance for Second year EEE Students	Ms. M. Priyadarshini Software Trainee Engineer CTS, Chennai
12	03, October. 2011	One Day Workshop on “ Education Technology” for PG Students, Research Scholars, Engineering Teachers, Academicians	Dr. M. Chidambaram, Senior Professor, Department of Chemical Engineering, IIT Madras, Chennai Dr. Sulochana Nagarajan, Professor & Co ordinator, NIT, Puducherry
13	25, September 2011	One Day Infosys Preplacement Training & Orientation Programme for IV Year EEE Students	Ms. S. Sindhu, Ms. Pavithra Software Programmer(s), Infosys Pvt Ltd., Chennai
14	21, September 2011	One Day Workshop on “RENEWABLE ENERGY” for UG & PG STUDENTS	Shri.P.Subhas Chandra Bose, Managing Director, Manasa Green Sun Pvt. Ltd, New Delhi
15	19th, September 2011.	Tech talk on Demand Side Management	Mr. L.K.Sankaran Senior Manager, Training, TNEB Tiruvannamalai
16	November 16 to 29, 2009	AICTE Sponsored Staff Development programme on “Advanced Machines for Electric Propulsion Systems	Mr. G. Narayanan, General Manager TVS Lucas, Padi, Chennai Dr. S. Velusami,

			Professor & Head, Faculty of Electrical Engineering, Annamalai Univeristy, Chidambaram Dr. R. Arumugam, Professor, SSN College of Engineering, Kalavakkam, Chennai Mr. B. G. Mallya, Chief Electrical Engineer/QC, Integral Coach Factory, Southern Railway, Chennai Mr. B. K. Nashine, Head Electrical Design & Service Section, IGCAR, Kalpakkam
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Workshop/Guest lecture/ organized in association with COLLEGE ISTE CHAPTER:

INTERNATIONAL GUESTS:

Sl. No.	Name of the activity WORKSHOP/GUEST LECTURE	Name and address of Chief Guest	Date
1	Guest lecture during sidelines of 4 th International Conference on Bioenergy, Environment & Sustainable Technologies, Department of Biotechnology	Dr Sudhagar Pitchaimuthu Swansea University Wales,United Kingdom Dr. M. Gopinath Professor & Head Department of \Biotechnology Selvam College of Technology Namakkal	28 – 30 January 2019
2	Guest Lecture - EEE , HUMANITIES & SCIENCES	Dr. Sivasurendar Chandran Research Project Leader Institute of Physics University of Freiburg 79104 Freiburg Germany	21 December 2018
3	International Seminar on Next Generation Technologies on Waste Treatment organized by Dept. of Biotechnology in association with ISTE Chapter/AEC	Prof. Dr. P. Agamuthu, Professor, Institute of Biological Sciences, University of Malaya, Malaysia. Dr. Helene Carrere, Director of Research, Laboratory of Environmental Biotechnology, French National Institute for Agricultural Research, France	08 March 2018
4	Inaugural Ceremony of	Dr. O.P. Karthikeyan	03 October 2017

	ELIXIR Biotech Student's Association & ISTE sponsored One day Seminar	Research Assistant Professor Hongkong Baptist University, Hong Kong	
5	Invited Lecture on “Recent trends in Automotive Engineering”	Mr. V.D. Uma Shanker Director Board of Libralato Ltd Chennai	09 September 2016
6	Guest Lecture for Biotechnology Dept	Dr. S. Arokiyaraj Research Professor Institute of Green Bio Science and Technology, Seoul National University, Republic of Korea	25 September 2015
7	Special Invited Lecture on Nanotechnology for Biotech/Chemical/EEE/Mechanical Dept.	Dr. Naidu V. Seetala Professor, Department of Physics, Grambling State University, Louisiana, USA	2, August 2012
8	Systems Biology of Diseases for Biotechnology Dept	Dr. Lawrence Rajendran Professor & Co- Director Systems and Cell Biology of Neurodegeneration, Division of Psychiatry Research, University of Zurich, Zurich, Switzerland	19 January 2010

GOVERNMENT DIGNITARIES

Sl. No.	Name of the activity WORKSHOP/GUEST LECTURE	Name and address of Chief Guest	Date
1	Guest Lecture – Department of Electrical & Electronics Engineering	Prof. Farooq A. Lone Division of Environmental Sciences and Centre for Climate Change and Mountain Agriculture, Sheri Kashmir, University of Agricultural Sciences and Technology of Kashmir, Shalimar Campus, Srinagar Dr. L. A. Chidambaram Professor Department of Mechanical Engineering, Annamalai University, Chidambaram	29 January 2019
2	Invited Lecture on “Power	Mr. S. K. Patnaik,	31 August 2016

	Generation by Nuclear Power Plant'	Chief Engineer (Electrical Construction, Bharatiya Nabhikiya Vidyut Nigam Limited, Department of Atomic Energy, Kalpakkam, Kancheepuram District, Tamilnadu	
3	Guest Lecture for EEE/EIE Department	Mr. M. Aravindhan Assistant Executive Engineer (GIS) TANGEDCO Tamilnadu Electricity Board, Thiruvannamalai	10 October 2015
4	Guest Lecture for ECE Dept	Mr. E. Mariappan Head & Director (News), Doordharshan, Chennai	20 August 2015
5	One day Workshop on Big Data Analytics – Hands on Experience for IT Dept	Mr. Vijaykumar Senior Engineer CDAC- Chennai	26 September 2014
6	Guest Lecture for IT Dept	Dr R M Chandrasekaran Professor/CSE Director, Directorate of Distance Education, Annamalai University, Chidambaram	16 th September 2014
7	Guest Lecture for ECE Dept	Dr. Gnanou Florence Sudha, Professor/ECE, Pondicherry Engineering College, Puducherry	10 th September 2014
8	Guest Lecture on “Chemical Engineering in 21 st Century” for Chemical Engineering Students for Chemical Dept	Dr. R. Nagarajan Professor, Dept. of Chemical Engineering, Advisor, Office of Alumni Affairs, IIT Madras	18 February, 2012
9	Demand Side Management for EEE Dept	Er. L. K. Sankaran Manager (Training), TANGEDCO Tamilnadu Electricity Board, Tiruvannamalai	30 Aug 2010
10	Web Services and Tools for CSE Dept	Dr. S. Swamynathan Professor Department of Computer Science	30 Sept 2009

		Engineering College Of Engineering, Guindy, Anna University – Chennai	
11	Mobile Communication for ECE Dept	Dr. G. Sivaraj Assistant Professor, Dept. of ECE, Pondicherry Engineering College Puducherry	23 Mar 2009
12	Recent Trends in Instrumentation for EIE Dept	Mr. P. Sathees Chandra Additional Chief Manager (I & C), Neyveli Lignite Corporation, Neyveli	25 Feb 2009

Industry /Academic Experts:

Sl. No.	Name of the activity WORKSHOP/GUEST LECTURE	Name and address of Chief Guest	Date
1	Inauguration of Department of Mechanical Engineering Students Association	Dr. Shankar Venugopal, Vice President – Mahindra & Mahindra, Mahindra Research Valley, Chennai	13 August 2018
2	Industry linked Colloquium – Department of Electrical & Electronics Engineering	Mr. R. Srivatsa Head – Quality, Opex and EHS ABB India Ltd Nelamangala Taluk Bangalore, Karnataka	03 October 2017
3	Engineer's Day Celebration– Department of Civil Engineering	Dr. S. Shanthakumar Professor & Head Department of Environmental & Water Resources Engineering, School of Civil & Chemical Engineering(SCALE) VIT University Vellore 632 014 Tamilnadu Dr. K. Vairamanickam Former Professor & Head, Department of Humanities & Sciences Annamalai University, Annamalai Nagar Chidambaram 608 002 Tamilnadu	14 September 2017
4	Workshop Awareness on PLC, SCADA for EEE and EIE Students	Mr. Balamurugan Shivnitin Control Tech Pvt Ltd Chennai 600 091 Tamilnadu	28 August 2017
5	One day Workshop on Digital Manufacturing III DP- 2017 –	Dr. S. Soloman Bobby, Associate Professor	18 August 2017

	Department of Mechanical Engineering	Manufacturing Engineering, School of Mechanical Engineering (SMEC) VIT University Vellore 632 014 Tamilnadu	
6	Technical Talk – Arunai Engineering College	Mr. M. Gopikrishnan Vice President – Water Instrumentation Solar Unit, Voltech Engineers Pvt Ltd, Chennai 600 056	12 July 2017
7	Guest lecture on “ The Evolution of Mobile Technology”	Mr. K. Jayakumar Deputy General Manager, Aircel Private Limited, Chennai	19 August 2016
8	One day Workshop on Project Methodology	Dr. S. K. Sekar, Senior Professor and Dean, School of Civil and Chemical Engineering (SCALE) VIT University	19 July 2016
9	Guest Lecture for Automobile Engineering Dept	Mr. D. Eregamani Asst. General Manager, Corborundum Universal Ltd. Chennai	21.08.2015
10	Two days Workshop on 3Mobile Hacking – Cyber Security and Malware Analysis - for IT Dept	Mr. Sai Sathish CEO, Indian Servers, Andrapradesh	17.08.2015 18.08.2015
11	Winning Perspective for HAS DEPT	Mr. Samuel Sathish, Managing Director, Eye Opener, Chennai	23 rd October 2013
12	Two day Workshop on Network Simulator – 2, Hands on Training for M. E Applied Electronics/ Network Engineering Students for ECE Dept	Prof. K. Manikandan Asst. Professor (Senior), Dept. of CSE, VIT – University, Vellore Mr. R. Thirukumaran, SAT Infosys, Coimbatore	20 th & 21 st , February 2013
13	Mobile Android Application Development for IT Dept.	Mr. Prassanan Android Application Developer, Chennai	26, July 2012
14	Career Guidance for Third year EEE Students	Mr. S. Ganeshbabu Application Engineer, Ramco Systems, Chennai	17 March, 2012
15	Lab View for Engineering Applications for EEE, ECE, EIE Dept	Mr. Viswanathan Jagadeesan, National Instruments, Bangalore	14 Mar 2011
16	Career Guidance for Third year/EEE	Mr. C. Vishwanath Software Trainee Engineer CTS, Chennai	21 Mar 2011
17	Career Guidance for Final	Mr. J. Gaayathri	5 Aug 2010

	year/EEE	Software Trainee Engineer IBM, Bangaluru	
18	Career Guidance for Final year/EEE	Mr. P. Nandakumar Ms. P. Sivasankari Software Trainee Engineer Tata Consulting Services, Chennai	12 July 2010
19	Vibration & Noise Measurement for MECH & EEE Dept	Mr. Buddappa Kaki Technical Manager, Structural Solutions Private Limited, Bangalore – 560 032	8 Sep 2010
20	Career Opportunities for Chemical Engineers for Chemical Dept	Mr. N. S. Venkataraman Director, Nandini Consultancy Centre Private Limited, Chennai Mr. R. Narasimhan Chairman, Indian Institute of Chemical Engineers, Chennai Regional Centre	26 March 2010
21	Business Intelligence for IT Dept	Mr. Antonio Clinton Highland Mr. G. Srinivasan Software Engineer, BI & BA Hexaware Technologies Ltd., Chennai	19 Sept 2009
22	Tamil Computing for CSE Dept	Mr. M. Sriram Co ordinator Ubuntu Tamil Loco Team, Chennai Mr. Baskar Linux Expert Academy, Chennai	07 Jan 2009
23	ERP & Current Trends for IT Dept	Mr. S. Kalidass Consultant, Wipro Technologies Chennai	02 Jan 2009

Workshop/ Seminar/Training Programme/Staff Development Programme/Event Attended:

1. Attended the Seminar titled, “Overview of Qualcomm Innovation Fellowship (QIP) India 2019 Program” by Mr. Senthil Govindaswamy, Senior Director, Engineering, Qualcomm India Pvt Ltd, Bengaluru at C 241 MMCR EE, IISc on February 14, 2019.
2. Attended Awareness Workshop on Cyber Privacy and Data Security organised by Karnataka State Council for Science and Technology, IISc Campus at Room 254, Department of Computer Science and Automation, IISc, supported by Cyber security Center of Excellence & E- Governance, Government of Karnataka and Privacy Virtuoso Global Pvt Ltd, Bengaluru on January 31, 2019.
3. Participated as Delegate in TamilNadu Global Investors Meet 2019, organized by Government of Tamilnadu at Chennai Trade Centre, Chennai during 23 - 24, January, 2019.
4. Attended the Seminar titled, “Interdependent Electric and Water Infrastructure Modelling, Optimization and Control” by Prof. Vijay Vittal, Ira A. Fulton Chair Professor, School of

Electrical, Computer & Energy Engineering, Arizona State University, USA at C 241 MMCR EE, IISc on January 17, 2019.

5. Attended the Seminar titled, “Power Switch ICs – What (are they), why (they are needed) & the challenges” by Mr. Subrato Roy Texas Instruments at C 241 MMCR EE, IISc on January 17, 2019.
6. Attended the Workshop titled, “NVIDIA DEEP LEARNING DAY” by NVIDIA Team, organised by Supercomputer Education and Research Centre, Department of Computational and Data Sciences, IISc at SERC 4th Floor Auditorium, on January 17, 2019.
7. Attended the Lecture by Dr. Venkatraman Ramakrishnan, Nobel Prize Winner in Chemistry, 2009 organised by HarperCollins India & IISc at J N Tata Auditorium, IISc on January 15, 2019.
8. Attended the policy lecture titled, “Implications of Intergovernmental panel on Climate Change special report on 1.5°C “, by Dr. Mikkio Kainuma, Senior Research Advisor and Secretary General of International Research Network for Low Carbon Societies , Institute for Global Environmental Strategies, Kanagawa, Japan, organised by Centre for Society and Policy, IISc, Seminar Hall, on January 11, 2019.
9. Attended the Seminar titled, “Opinion Dynamics in Social Networks: Modeling and Inference” by Dr. Abir De, Post doctoral Research, Max Planck Institute for Software Systems, Kaiserslautern, Germany, organised by Department of Computational and Data Sciences, IISc at 102 CDS Seminar Hall, on January 11, 2019.
10. Attended the Sir C V Raman Lecture titled, “ Topological Quantum Matter Entanglement, and a Second Quantum Revolution” by Prof. F. Duncan M. Haldane, Sherman Fairchild University Professor of Physics, Princeton University, Nobel Prize Winner in Physics, 2016 at Faculty Hall, IISc Main Building on January 10, 2019.
11. Attended the Lecture titled, “Confessions of an Accidental Entrepreneur” by Dr. Pravin Bhagwat, CTO, Mojo Networks, organised by Department of Electronic Systems Engineering, IISc at Faculty Hall, IISc Main Building on January 9, 2019.
12. Attended the Seminar titled, “Aggregate reduced order models for Grid Tied inverters” by Prof. Sairaj Dhople, Associate Professor, Department of Electrical and Computer Engineering, University of Minnesota, USA organised by EE, IISc at B 303, EE IISc on January 7, 2019.
13. Attended the Seminar titled, “Modeling and Control of Modular Multilevel Converter for Photovoltaic Application” by Mr. Anirudh B. Acharya , Ph.D Scholar, Department of

- Electric Power Engineering, NTNU, Norway organised by EE, IISc at C 241 MMCR EE, IISc on January 4, 2019.
14. Attended the Event titled, “Remembering National Heroes: Prof. Satish Dhawan” organised by Prasthutha at Faculty Hall, IISc Main Building during January 3, 2019.
 15. Attended the Pratiksha Trust Workshop on the title, “Theoretical Computer Science in India” organised by Department of Computer Science and Automation, IISc, supported by The Pratiksha Trust, at Faculty Hall, IISc Main Building during January 2 - 3, 2019.
 16. Attended the policy lecture series on the title, “Chinese Rural S & T Development Policies and Practices: Introduction and Outlook” by Dr. Zhuqing Xu, Associate Researcher, Institute of Rural and Regional Development, Chinese Academy of Science and Technology for Development (CASTED), Ministry of Science & Technology, People Republic of China, organised by Centre for Society and Policy, IISc, Seminar Hall, on December 27, 2018.
 17. Attended the lectures on the title, “Brain and Computation” by Prof. Christos Papadimitriou, Donoval Family Professor of Computer Science, Columbia University, USA. This event is organised by Department of Computer Science and Automation (CSA), IISc, supported by The Pratiksha Trust at Room 254, CSA during December 26-28, 2018.
 18. Attended the lecture on the title, “The making of a New India” by Dr. Bibek Debroy, Chairman, Economic Advisory Council to the Prime Minister of India at Faculty Hall, IISc Main Building on 24.12.2018.
 19. Attended the lecture on the title, “Dendrites: Active Trees in the Brain” by Dr. Rishikesh Narayanan, Molecular Biophysics unit, IISc, at Faculty Hall, IISc Main Building on 20.12.2018.
 20. Attended the tutorial on the title, “Power Electronics: Gallium Oxide: An emerging technology – Promises, Status and Challenges” by Dr. Digbijoy N. Nath, Assistant Professor, Centre for NanoScience and Engineering (CeNSE), Indian Institute of Science and “Ferroelectric Photovoltaics: Progress and Prospects” by Dr. Ayan Roy Chaudhuri, Assistant Professor, Materials Science, IIT Kharagpur during 4th International Conference on Emerging Electronics organised by IEEE – EDS Chapter and IISc, at CeNSE Auditorium, Centre for NanoScience and Engineering (CeNSE), IISc on 16th December 2018.
 21. Participated in 3rd Annual Alumini reunion 2018, organised by Office of Development and Alumini Affairs at Faculty Hall and J N Tata Auditorium, National Science Seminar Complex, IISc on 16th December 2018.
 22. Participated in the Decentralized Health care and Sustainable Energy Conference 2018 organised by SELCO Foundation at National Institute of Advanced Studies, Indian Institute of Science, Bangalore on 7-8, December 2018.

23. Attended Intersolar India Conference and Exhibition, Bangalore International Exhibition Centre, December 11 – 13, 2018, Bangalore.
24. International Technology Seminar, “ Performance & Innovation at their best – SEL Solutions solve real – world problems” organised by Schweitzer Engineering Laboratories Pvt. Ltd, Delhi at Sangri – La Hotel, Bangalore on November 15, 2018.
25. The 2nd Annual Conference on Power Distribution Utilities for Collaborative Growth, “Distribution Utility Meet 2018” organized by India Smart Grid Forum (ISGF), New Delhi hosted by The Tata Power Company Limited, Mumbai on 01 – 02 Nov 2018 at Taj Lands End, Mumbai.
26. Attended “**PFMS - Training on EAT module**” conducted by Institute of Government Accounts & Finance, Ministry of Finance at Rajaji Bhawan, Besant Nagar, Chennai on 20th June 2018.
27. Attended “ 1st PAN – India Research Network meeting - Industry and Academia Amalgamation” organized by **National Institute of Wind Energy (An Autonomous Research and Development Institution under the Ministry of New and Renewable Energy), Government of India**, Velachery – Tambaram Main Road, Pallikaranai, Chennai – 600 100, Tamil Nadu, India on 14th June 2018.
28. Attended 17th edition of Roof India Exhibition during 07 -09 June 2018 at Chennai Trade Centre, Chennai.
29. Attended Launch & Dedication of D4E CLUB, A mobile app connecting Industries/ Institutions/ Individuals at Vivekanandha Auditorium, Anna University, Chennai on 08 May 2018.
30. Attended International Engineering Sourcing Show (IESS VII), Chennai organized by Engineering Export Promotion Council (EEPC), India during 08 -10 March 2018.
31. Participated in Faculty Development Training Programme on “**Power System Transients**” at Department of Electrical and Electronics Engineering, College of Engineering, Guindy, Anna University, Chennai conducted by Centre for Faculty Development, Anna University, Chennai during 04 - 11 December 2017.
32. Attended 1st Power Utility Conference for Collaborative Growth, Distribution Utility Meet , DUM 2017, organized by Technology Innovation Centre, Bangalore Electricity Supply Company Ltd (BESCOM) in association with India Smart Grid Forum(ISGF) and Institute of Electrical & Electronics Engineers (IEEE) at The Sheraton Grand, Bengaluru, India on 29 – 30 November 2017.
33. Attended ISGAN Knowledge Exchange on Distributed Generation, Microgrids and Smart Metering organized by the International Smart Grid Action Network (ISGAN), in

- partnership with National Smart Grid Mission, Ministry of Power, Government of India at Central Power Research Institute, Bengaluru, India on 14 November 2017.
34. Department of Electrical & Electronics Engineering, SRM University, Kattankulathur in association with Typhoon HIL GmbH, Switzerland (Quarbz Infotech (P) Ltd, Kanpur) on 22 -23 September 2017.
 35. Attended Training programme on Awareness of **Cyber Security for Power Utility Engineers**, Metering and Utility Automation Division, **Central Power Research Institute, Bangalore, (Govt. of India Society, Ministry of Power)** on 4th August 2017.
 36. Attended **Annual General Meeting** of the Institute of Electrical & Electronics Engineers (**IEEE**) **Madras section** held on 23rd July 2017 at Hall No.L1, ISTE Professional Centre, Gandhi Mandapam Road, Kottur, Chennai 600 025.
 37. Attended **UGC-SAP Sponsored Two days workshop, “Fundamentals and research challenges in 6LowPAN”**Organized by **Department of Electronics Engineering, Madras Institute of Technology, Anna University Chennai** on 8th & 9th June 2017.
 38. Attended one day workshop on Scope for R & D Projects and Proposal Preparation conducted by Centre for Technology Development and Transfer, Anna University, Chennai on 12th May 2017.
 39. Attended **Capacity building training programme** on “ **Design, Installation & Maintenance of Small Wind Turbine**” organized by **National Institute of Wind Energy (An Autonomous Research and Development Institution under the Ministry of New and Renewable Energy), Government of India**, Velachery – Tambaram Main Road, Pallikaranai, Chennai – 600 100, Tamil Nadu, India during 27th February – 8th March, 2017.
 40. Participated in UK INDIA Social Entrepreneurship Education Network (UKISEEN) meeting at IC & SR Building, IIT Madras on 11th January 2017.
 41. Participated in Indo – American Education Summit 2016 organised by The Indus Foundation Inc, USA on 21 September , 2016, Chennai.
 42. Participated in **Faculty Empowerment Program** on “ **Analog, Power, Embedded Systems and Wireless (IoT) Hands on Workshop** conducted jointly by Texas Instruments, Bangalore and STEPS Knowledge Services Pvt. Ltd., Coimbatore held during 25 – 28th July 2016, organized by Department of Instrumentation and Control Engineering, National Institute of Technology, Trichy.
 43. Attended **EU PVSEC 2016**, 32nd European Photovoltaic Solar Energy Conference and Exhibition ICM-International Congress Center, Munich, Germany, 20 – 24 June 2016.
 44. Attended **ees Europe Conference, Exhibition for batteries and energy storage systems**, MESSE, Munich, Germany, 22 – 24 June 2016.

45. Attended **Intersolar Europe Conference, Exhibition**, MESSE, Munich, Germany, 22 – 24 June 2016.
46. Attended **7th International Trade fair for Automation and Mechatronics**, MESSE, Munich, Germany, 21 – 24 June 2016.
47. Attended **Conference on “Innovative and Sustainable Entrepreneurship” organized by Confederation of Indian Industry – Southern Region (CII – SR)** in association with The Hindu Business Line on 22nd March 2016 at Hotel ITC Grand Chola, Chennai.
48. Attended **ELECHEMA – 2016 12th International Exhibition of Electrical & Industrial Electronics Industry**, 13 - 17, February, 2016, Bangalore, India.
49. Attended **International Workshop on Forecasting & Scheduling of Wind power** jointly organized by National Institute of Wind Energy and Indian Wind Power Association, Chennai during 8 – 10, February 2016, Chennai.
50. Attended two days workshop on Energy Conservation Building Code in the State of Tamilnadu, organized by **Electrical Inspectorate, Government of Tamilnadu** in association with Bureau of Energy Efficiency on 11 – 12, January 2016 at Vellore.
51. Attended **NBA Awareness Workshop on Outcome based Education and Accreditation**, 03 October 2015, sponsored by National Board of Accreditation at CEG’s TAG Auditorium, Anna University, Chennai.
52. Participated as **Delegate in TamilNadu Global Investors Meet, 9-10, September 2015**, organized by Government of Tamilnadu at Chennai Trade Centre, Chennai.
53. Attended a Two days Workshop on “Building Embedded Systems with ARM Cortex – M MCUs” Organized by Department of Electrical & Electronics Engineering, Arunai Engineering College in association with UTL Technologies Limited, Bangalore on 22-23, January 2015.
54. Attended Regional Dialogue meet for **15th Delhi Sustainable Development Summit at IC&SR Auditorium, IIT Madras on December 1, 2014**.
55. Attended one day workshop on **MATLAB EXPO 2014**” organized by Mathworks, Bengaluru on 10.07.2014.
56. Attended a short term training programme on “ Control of Permanent Magnet AC Machines” organized by **Department of Electrical Engineering, IIT Madras, Chennai** 36, 3- 5, April, 2014.
57. Attended **ELECHEMA – 2014 11th International Exhibition of Electrical & Industrial Electronics Industry**, 8- 12, January, 2014, Bangalore, India.

58. Attended “Educators Day – 2013” organized by National Instruments, Chennai on September 2, 2013.
59. Participated in One day Workshop on **“Tamil Nadu Solar Energy Policy 2012” conducted by Higher Education Department & Tamil Nadu Energy Development Agency at Anna University, Chennai** on 6, December 2012.
60. Participated in One day Workshop on “Patent Processing and Technology Transfer” Conducted by Department of Mechanical Engineering, Arunai Engineering College on 4, February 2012.
61. Attended a National Level Workshop on “Nanotechnology for solar cell applications” at Department of Electrical & Electronics Engineering at Nandha College of Technology, Erode 638 052 on 3rd February, 2012.
62. Participated in National Level Seminar on “Natural Products and Drug Discovery” Conducted by ISTE Chapter, Arunai Engineering College on 28 – 29th, December 2011.
63. One day Workshop on “Education Technology” Conducted by ISTE Faculty Chapter, Arunai Engineering College on 3rd October 2011.
64. National Level Workshop on **“ Solar Systems & Power Quality Issues”** Conducted by Department of Electrical & Electronics Engineering, **St. Joseph’s College of Engineering, Chennai** on 06, September 2011.
65. Attended one day workshop on “ Accreditation in the perspective of Engineering Institutions in the light of New system to be followed for UG Engineering programmes” held at Jaya Engineering College, Thiruninravur, Chennai 606 024 on 14th July 2011.
66. National Level Workshop on **“Solar PV Installations”** Conducted by **Department of Electrical & Electronics Engineering, PSG College of Technology, Coimbatore** on 17 - 19, March 2011.
67. Participated in **International Expo & Conference on Renewable Energy (Vavova – 2011)” Organised by Tamilnadu Energy Development Agency, Govt. of Tamilnadu** during 14 – 16th January 2011.
68. AICTE sponsored Staff Development programme on “Applications of Wavelets & Soft Computing Techniques for Power Quality Analysis” Conducted by Departments of ECE & EEE, Dr. Mahalingam College of Engineering & Technology, Pollachi, Coimbatore during 15 – 27th November 2010.
69. Training programme on “ Fundamentals of PSCAD and General Applications” conducted by Nayak Power Systems Pvt. Ltd., Mumbai in association with Department of Electrical & Electronics Engineering, B. S. Abdur Rahman University, Chennai on August 9 – 10, 2010.

70. AICTE Sponsored Staff Development programme on “Advanced Machines for Electric Propulsion Systems, Department of Electrical & Electronics Engineering, Arunai Engineering College on 16 – 29th, November 2009.
71. DST – SERC sponsored programme on “ **Recent Trends in condition monitoring of power apparatus and systems**” Conducted by **Department of Electrical Engineering, Indian Institute of Technology, Madras** on 26th – 30th October, 2009.
72. One day Workshop on “ Neuro- Fuzzy Controller for Power Converters” Conducted by Department of Electrical & Electronics Engineering, Muthayammal Engineering College, Rasipuram on 26th April 2009.
73. AICTE Sponsored Winter School on “Multimedia Development and Delivery for e- learning” conducted by National Institute of Technical Teachers Training and Research (NITTTR), Chennai during 23-28, March 2009.
74. TEQIP sponsored National Level Workshop on “**Power Quality Issues – Analysis and Mitigation Techniques**” Conducted by Department of Electrical Engineering, **National Institute of Technology, Warangal** during 27th – 29th November 2008.
75. One day Workshop on “Power Quality in Wind Mills” Conducted by Department of Electrical & Electronics Engineering, Jayamatha Engineering College, Aralvaimozhi during 11 – 12 April 2008.
76. Staff Development programme on “**Power System Analysis**” Conducted by Centre for Faculty Development, Anna University, Chennai at Department of Electrical & Electronics Engineering , **College of Engineering, Guindy, Chennai** during 3 - 15 December 2007.
77. Short term training programme on “Modelling of FACTS Devices and its Applications” Conducted by Department of Electrical & Electronics Engineering, S. R. M Engineering College, Kattankulathur during 27 – 28 July 2007.
78. National Conference on “Recent Trends in Renewable Energy Conversion Systems and Applications”, organized by Department of Electrical Engineering, FEAT, Annamalai University, Annamalai Nagar, Tamil Nadu, March 17 – 18, 2007.
79. Staff Development programme on “Power System Analysis” Conducted by Centre for Faculty Development, Anna University, Chennai at Department of Electrical & Electronics Engineering, Mookambigai College of Engineering, Kalamavur, Pudukottai District during 11 - 23 December 2006.
80. Short term Course on “Instructional Design and Delivery” conducted by National Institute of Technical Teachers Training and Research (NITTTR), Chennai during 05-09, June 2006.
81. Non – Stipendiary Vocational Training at Locomotive Workshop, Southern Railway, Chennai during 26. 12. 2001 to 04.02.2001.

Industry/ Laboratory Visits:

1. Fluxgen Engineering Technologies Limited, Bangalore, 27 April, 2018.
2. Solar Energy Research Institute (SERIS), National University of Singapore, Singapore on 26.10.2016.
3. Visited 30 MW Solar Power Plant at Shapoorji Pallonji Solar PV Pvt Ltd, Tiruvannamalai on 18.07.2016.
4. Various laboratories in the Department of Electrical Engineering, College of Engineering, Trivandrum 27th November 2014.
5. Various laboratories in the Department of Electrical Engineering, IIT Madras in 12 Sept 2010.
6. Various laboratories in the Campus of Central Power Research Institute, Bangalore.
7. TIFAC CORE Laboratory at Thiagarajar College of Engineering, Madurai
8. All India Tour – places like Delhi, Amritsar, Shimla, Bhavaneshwar
9. South India Tour – Places like Mumbai, Goa, Karnataka and Kerala
10. Thirumalai Chemicals, Ranipet
11. Neyveli Lignite Corporation, Neyveli
12. Mettur Power Station, Mettur.

ISTE Faculty/Student Conventions Attended:

1. 21th ISTE TN&P Section Annual Convention for Engineering Faculty Members – 2018 at Karpagam Institute of Technology, Coimbatore during 29 -30 March 2019.
2. 48th ISTE National Annual Convention held at Visvesvaraya Technological University, Belagavi, Karnataka during 19th & 20th March 2019.
3. 17th ISTE TN Section Annual Convention of Engineering Students 2017 at Tagore Engineering College, Chennai on 10th April 2018.
4. 19th ISTE National Students' Convention held at VIT University, Vellore, Tamilnadu on 15 – 16 October 2016.
5. 44th ISTE Annual National Convention at College of Engineering, Trivandrum on 27th November 2014.
6. 14th ISTE Students National Convention and Seminar held at Jayam College of Engineering and Technology, Dharmapuri on 30 September and 1 October 2011 with 67 Students.
7. 13th ISTE Students National Convention and Seminar held at Jaipur Engineering College, Jaipur on 2 – 3 October 2010 with 28 Students.
8. 12th ISTE Students National Convention and Seminar held at Bannari Amman Institute of Technology, Sathyamangalam on 3 – 4 October 2009 with 7 Students.
9. Entrepreneur Awareness Camp for Students at Arunai Engineering College on 28–30 January, 2009.
10. 5th Annual ISTE Students Convention and Technical Meet at Arunai Engineering College on 30 September, 2005.

Academic Services:

- Member (Valuation Board), Board of Studies, Anna University, Chennai.
- Member (Valuation, paper setting/scrutiny Board), Board of Studies, Annamalai University, Chidambaram.
- Member (Valuation Board), Board of Studies, Pondicherry University, Puducherry.
- Member (Question Paper Setting), Board of Studies, Government College of Engineering, Bargur, Tamilnadu
- Member (Question Paper Setting), Board of Studies, KSR College of Technology (Autonomous), Thiruchengode.
- Member (Question Paper Setting), Board of Studies, Sethu Institute of Technology (Autonomous) , Virudhunagar, Tamilnadu.

Subjects Taught/ Laboratory Handled/ Developed:

Subject Taught:

UG Level: Power System Analysis, Power System Operation & Control, Power Quality, Transmission & Distribution, Protection & Switch Gear, Circuit Theory, Electrical Engg., Electrical Machines – I/ II, HVDC Transmission Systems

PG Level: Power Quality, Flexible AC Transmission Systems, Analysis of Electrical Machines, Power Electronics for renewable energy systems, Soft Computing Techniques, Digital Instrumentation, Energy Management and Auditing, Application of intelligent controllers for power quality improvement, Real Time Systems, RISC Processor Architecture and Programming, Cryptography & Network Security.

Laboratory Handled: Power System Simulation Laboratory, Electrical Machines Laboratory, Power Electronics & Drives Laboratory.

Laboratory Developed: Power Electronics & Drives Laboratory, Embedded Systems Laboratory, Renewable Energy Laboratory

Innovation in Teaching/ Laboratory Classes:

- Guided Mini projects of Third/Final year UG Students.
- Conducted Lab Courses with MATLAB, PSCAD for Final Year and PG Students.

Membership of Professional Bodies/ Societies:

1. Member (80174450) of Institute of Electrical and Electronics Engineers, USA
2. Life Member (LM 57392/2008) of Indian Society for Technical Education (ISTE), India.
3. Member, International Solar Energy Society, Germany
4. Member of International Association of Engineers. Hong Kong.(IAENG) (158076/2015)
5. World Academy of Science, Engineering and Technology
6. Member of Indian Society of Electrical and Electronics Engineers
7. Volunteer in Renewable Energy Society (<http://renewableenergysociety.org>)

Editorial Board Member for International Journals:

1. Editorial Board Member of Insight Electronic, PiscoMed Publishing Pte Ltd, Singapore.
2. Editorial Board Member of Electronics Science Technology and Application, Universe Scientific Publishing Pte. Ltd, Singapore.
3. Editorial Board Member of Science Publishing Group, NewYork, U.S.A

Reviewer for International Journals:

1. International Journal of Electronics Letters, United Kingdom.
2. International Journal of Electronics, United Kingdom.
3. COMPEL, The International Journal for Computation and Mathematics in Electrical and Electronic Engineering, Emerald Group Publishing Limited, England.
4. International Journal of Engineering Systems Modelling and Simulation (IJESMS), Inder science Publishers, United Kingdom.
5. International Journal of Environment and Sustainable Development (IJESD), Inder science Publishers, United Kingdom.
6. International Journal of Energy Technology and Policy (IJETP), Inder science Publishers, United Kingdom.
7. Management of Environmental Quality: An International Journal, Emerald Group Publishing Limited, United Kingdom.
8. Journal for Renewable and Sustainable Energy, American Institute of Physics, Melville, New York, USA.
9. Energy and Power Engineering, World Academy of Science, Engineering and Technology (WASET), Conneticut, USA.
10. Global Journals Inc, Massachusetts, United States of America.
11. Journal of Electrical Engineering & Technology, The Korean Institute of Electrical Engineers, Korea.
12. Turkish Journal of Electrical Engineering & Computer Sciences, Turkey.
13. Electrical and Power Engineering Frontier, World Academic Publishing.
14. Advances in Electrical Engineering, Hindawi Publishing Corporation.

Reviewer for International Conferences:

1. IEEE Texas Power and Energy Conference, February 6 – 7, 2020, Texas, U.S.A.
2. 4th International Conference on New Energy and Future Energy System, Macua, China, July 21 –24, 2019.
3. International Electric Machines & Drives Conference (IEMDC 2019), May 12 -15, 2019, San Diego, California.
4. 8th IEEE India International Conference on Power Electronics (IICPE -2018) , MNIT Jaipur, 13 -15 December 2018.
5. International Conference on Frontiers in Engineering, Applied Sciences and Technology (FEAST'18), April 27-28, 2018, Organised by National Institute of Technology, Tiruchirapalli.
6. 23rd International Conference on Electrical Machines (ICEM'2018), Ramada Plaza Thraki, Alexandroupoli – Greece, September 3 -6, 2018.
7. 27th IEEE International Symposium on Industrial Electronics, Cairns, Australia, June 12 -15, 2018.
8. 3rd International Conference on New Energy and Future Energy System, Shanghai, China, August 21 –24, 2018.
9. IEEE 19th International Conference on Industrial Technology (IEEE ICIT 2018), Lyon, France, February 20 -22, 2018.
10. 2nd International Conference on New Energy and Future Energy System, Kunming, Yunnan, China, September 22 –25, 2017.
11. 43rd Annual Conference of IEEE Industrial Electronics Society at China National Convention Center (IECON 2017), October 29 – November 1, 2017
12. International Conference on Frontiers in Engineering, Applied Sciences and Technology (FEAST'17), March 31 to April 1, 2017, Organised by National Institute of Technology, Tiruchirapalli.
13. 11th IEEE International Conference on Compatibility, Power Electronics and Power Engineering (IEEE CPE-POWERENG 2017), Cadiz, Spain, April 4 – 6, 2017
14. Scientific Committee member for 3rd International Conference on Food and Bio Systems Engineering, Technological Educational Institute of Thessaly, Larissa Greece, 1- 4 June 2017.
15. 42nd Annual Conference of IEEE Industrial Electronics Society at Florence, Italy (IECON 2016), October 23 – 27, 2016
16. International Conference on New Energy and Future Energy System, Beijing, China, August 19th – 22nd, 2016.
17. 10th IEEE International Conference – CPE –POWERENG 2016, Bydgoszcz, Opera Nova's Congress Center, Poland, 29th June – 01st July, 2016
18. Biennial IEEE International Conference on Power and Energy Systems: Towards Sustainable Energy 2016 (PESTSE 2016), Amrita Vishwa Vidyapeetham, Bengaluru Campus, January 21st – 23rd 2016.
19. IEEE International Aegan Conference on Electrical Machines and Power Electronics ACEMP/OPTIM – Electro motion Joint Conference, Turkey, September 2 – 4 , 2015
20. IEEE International Electric Machines & Drives Conference (IEMDC2015) at Idaho, USA .
21. 38th Annual Conference of IEEE Industrial Electronics Society at Montreal, Canada (2012).

Conferences/Symposium adjudicated:

1. Technical Committee member, International Conference on Computing, Communication and Control (IC4) on 12 -13 March 2020, Kings College of Engineering, Pudukottai District, Tamilnadu
2. Conference Chair, 2nd National level Conference on Recent Trends in Electrical, Electronics & Communication Engineering (RTEECE'19), Sri Balaji Chockalingam Engineering College, Arni, 12th March 2019.
3. National Advisory Board Member, 4th International Conference on Bioenergy, Environment and Sustainable Technologies (BEST 2019), Arunai Engineering College, Tiruvannamalai 606 603, 28 - 30 January 2019.

4. Event Judge for Student Project Exhibition – TECHNO TALENT – 2018 (Fifth State level Mega Science Exhibition and Contest), Jeeva Velu International School, Tiruvannamalai On 09 November 2018.
5. Event Judge for National Level Technical Symposium, FORGE 2K18, in association with Indian Society for Technical Education, New Delhi organized by Department of Mechanical Engineering on 12 September 2018.
6. Event Judge for National Level Technical Symposium and Expo, POINTERS2K17, in association with Indian Society for Technical Education, New Delhi, organized by Dept. of Computer Science Engineering on 7 September 2018.
7. Judge for Expo'18 as a part of State Level Technical Symposium (CONSTELLATION'18) organized by Department of Humanities and Sciences, Arunai Engineering College, Tiruvannamalai on 11th April 2018.
8. Advisory Committee member for International Conference on Recent Developments in Engineering at Dhaanish Ahmed Institute of Technology, Coimbatore- 641106 on 07/04/2018.
9. Conference Chair, National Conference on Latest Enhancements in Automation, Design, Energy and Robotics (LEADER 2018), organized by Arunai College of Engineering, Tiruvannamalai 606 603, 15th March 2018.
10. Advisory Committee member for 5th National Conference on Intelligence Computing Techniques in Electrical and Electronics Engineering (ICTEEE'17) organized by Department of Electrical & Electronics Engineering, Mailam Engineering College, Mailam, Villupuram District on 22th March 2017.
11. Conference Chair, 13th National Conference – FORGE-17, organized by Department of Mechanical Engineering, Arunai Engineering College, Tiruvannamalai 606 603, 17th March 2017.
12. Conference Chair, Renewable Energy Session, 3rd International Conference on Bioenergy, Environment and Sustainable Technologies (BEST 2017), Arunai Engineering College, Tiruvannamalai 606 603, 24th January 2017.
13. Judge for ENGLANG 2016 – 17, An event for kindergarden students organized by Jeeva Velu International School, Tiruvannamalai on 07.01.2017.
14. Advisory Committee member for 4th National Conference on Intelligence Computing Techniques in Electrical and Electronics Engineering (ICTEEE'16) organized by Department of Electrical & Electronics Engineering, Mailam Engineering College, Mailam, Villupuram District on 11th April 2016.
15. Conference Chair, General Engineering, National Conference on Advances in Science & Engineering Research, (HAPTEN 2016), Organized by ELIXIR Biotech Students Association, Department of Biotechnology, Arunai Engineering College, Tiruvannamalai 606 603, 18th & 19th March 2016.
16. Technical Committee member for Biennial IEEE International Conference on Power and Energy Systems: Towards Sustainable Energy 2016 (PESTSE 2016), Amrita Vishwa Vidyapeetham, Bengaluru Campus, January 21st – 23rd 2016.
17. Conference Chair, Renewable Energy Session, 2nd International Conference on Bioenergy, Environment and Sustainable Technologies (BEST 2015), Arunai Engineering College, Tiruvannamalai 606 603, 29th January 2015.
18. Project Competition for Polytechnic College Students (TREE – 2015) at Arunai College of Engineering, Tiruvannamalai 606 603 on 13th February 2015.
19. Conference Chair, 3rd National Conference on Recent Trends in Electrical, Electronics & Communication Engineering (RTEECE'15), Sri Balaji Chockalingam Engineering College, Arni 632 317, 23rd March 2015.

Countries Visited:

1. Munich, Germany
More details of presentation at 32nd European Photovoltaic Solar Energy Conference and Exhibition (EUPVSEC 2016), ICM-International Congress Center, Munich, Germany, 20 – 24 June 2016 can be found at:
 - i. <http://solarpv.tv/index.php/2016/07/22/eu-pvsec-worth-attending-surprising-responses/>
 - ii. <https://youtu.be/MbLXIktbJJQ>
 - iii. <https://www.flickr.com/photos/81421588@N03/sets/72157669593605872/>
 - iv. <http://www.eupvsec-planner.com/speaker/203976/Vasudevan.htm>
2. Singapore

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References:

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Prof. Dr.S.Velusami, Vice Chancellor, Periyar Maniammai Institute Of Science & Technology, Periyar Nagar, Vallam, Thanjavur - 613 403, Tamilnadu, India (Former Dean, Annamalai University, Annamalai Nagar,Chidambaram) Mob: (+91) 9976996959 Tel: +91 4362 264600 (O) Email:profvels@yahoo.com	Prof. Dr. M. Arumugam Advisor, Arunai Engineering College, Tiruvannamalai 606 603, Tamil Nadu (Former Director, National Institute of Technology, Trichy) Mob: (+91) 9443237011 Tel: 04175 232391(R) Email:drmarumugam@yahoo.com

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Religion/Caste: Hindu/ Agamudaiyar
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Tiruvannamalai 606601,
Tiruvannamalai, TamilNadu, India

Permanent Address: S/o Mr.J. Vasudevan
No. 1353, Dhanakodi Nagar,
Padhirikuppam Village,
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Cuddalore Dist,Tamil Nadu, India

DECLARATION

I declare that, the above furnished details are true to my best of knowledge and belief.

Place: Yours truly,

Date: (V. SARAVANAN)