

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

## DEPARTMENT OF ELECTRICAL AND ELECTRONICS ENGINEERING

### FACULTY PROFILE

01. Name : Dr.M. Vijayakumar  
02. Designation : Professor  
03. Date of Birth : 07/04/1974  
04. Date of Joining : 17/06/2009  
05. Professional Membership : ISTE, IAENG, IEEE  
06. Supervisor Recognition No. : 2630017 & 16.09.2015  
& Date



#### 07. Qualification:

S.No.	Qualification	Specialization	Name of the Institution	Affiliated to	Year of Completion
1	B.E.	EEE	J.J. College of Engineering and Technology, Trichy	Bharathidasan University, Trichy.	1998
2	M.E.	Power Systems Engineering	Sona College of Technology, Salem	Anna University Coimbatore.	2009
3	Ph.D.	Electrical Engineering	Anna University	Anna University	2015

08. Area of Interest : Power Stems, Power Electronics

#### 09. Experience, Promotion & Designation Details:

S. No.	Name of the Organization	Designation	Period	
			From	To
1	K.S.R. College of Engineering	Professor	02.01.2016	Till date
2	K.S.R. College of Engineering	Associate Professor	01.07.2012	01.01.2016
3	K.S.R. College of Engineering	Assistant Professor	01.07.2010	30.06.2012
4	K.S.R. College of Engineering	Lecturer	17.06.2009	30.06.2010
5	Kongu Polytechnic College, Perundurai, Erode District	Lecturer	04.02.2003	25.08.2007
6	The Kavery Polytechnic College, Mecheri, Salem District	Lecturer	04.05.2001	03.02.2003
			06.12.1998	30.04.2000
7	Mettur Thermal Power Station, Mettur Dam, Salem District.	Graduate Apprentice	02.05.2000	01.05.2001

## RESEARCH GUIDANCE

Ph.D. Scholar Completed: **03**

Ph.D. Scholars ongoing: **05**

Master Thesis Completed: **08**

Graduate Level Guided: **17**

## RESEARCH STATISTICS

Google Scholar Index

([Link:https://scholar.google.co.in/citations?user=mYqCiXsAAAAJ&hl=en](https://scholar.google.co.in/citations?user=mYqCiXsAAAAJ&hl=en))

## PATENTS GRANTED AND APPLIED

1. **Application Number:** 201841038947  
**Title of the Patent:** Vehicle Braking System in Hill station  
**Date Filed:** 14.10.2018  
**Status:** Published
2. **Application Number:** 202241032168A  
**Title of the Patent:** Solar Based Wireless Power Transmission  
**Date Filed:** 06.06.2022  
**Status:** Published

## BOOK PUBLISHED

**Title of the Book:** Measurement and Instrumentation  
**Publisher** : Scientific international publishing house  
**Year of Publication:** 2022

## COPY RIGHTS HOLD

**Registration Number:** L-92625/2020 **Dated:** 08.07.2020  
**Title:** Manual and Guidelines for Electrical Machines Laboratory

## SCIENTIFIC RESEARCH PUBLICATION

**International Journals:**

1. K. Rajesh Kumar & M. Vijayakumar 2022, 'Optimization of Cognitive Femtocell Network via Oppositional Beetle Swarm Optimization Algorithm', Intelligent Automation & Soft Computing, vol. 36, no.1, pp.819-832, DOI: 10.32604/iasc.2023.030961. [Indexed in SCI, SCOPUS, Impact factor: 3.401.](#)

2. Vijayakumar Arun, R Kannan, S Ramesh, M Vijayakumar, PS Raghavendran, M Siva Ramkumar, P Anbarasu, Venkatesa Prabhu Sundramurthy, 'Review on Li-Ion Battery vs Nickel Metal Hydride Battery in EV, Advances in Materials Science and Engineering, 2022, <https://doi.org/10.1155/2022/7910072>. Indexed in SCI, SCOPUS, Impact factor: 2.098.
3. A. Raja, **M. Vijayakumar** and C. Karthikeyan 2022, "Solar photovoltaic interconnected ZSI-unified power quality conditioner to enhance power quality" Bulletin of The Polish Academy of Sciences Technical Sciences, Vol. 70, No. 1, 2022, pp. e140015, , Indexed in SCI, SCOPUS, Impact factor: 1.662, DOI: <https://doi.org/10.24425/bpasts.2022.140015>
4. M.Vijayakumar & S.Parthiban 2020, "Experimental Validation of Solar PV sustained ZSI based Unified Active Power Filter for Enrichment of Power Quality" Automatika: Journal for Control, Measurement, Electronics, Computing and Communications (Taylor & Francis), Vol. 62, No. 1, pp. 137-153, Indexed in SCI, SCOPUS, COMPENDEX, Impact factor: 1.156.
5. Muthuvel, K & Vijayakumar, M 2020, 'Solar PV Sustained Quasi Z-Source Network- Based Unified Power Quality Conditioner for Enhancement of Power Quality', Energies, Vol. 13, no. 10, pp. 2657. Impact Factor: 3.004. DOI: <https://doi.org/10.3390/en13102657>
6. R.Velumani & M.Vijayakumar 2019, "IoT based Prudent Automatic Falls Detection for Elders by Analyzing Carrier State Information (CSI) Employing WiFi Devices" Wireless Personal Communications, (Springer), pp. 1-16, Indexed in SCI, SCOPUS, COMPENDEX, Impact factor: 1.671. DOI: <https://doi.org/10.1007/s11277-019-06168-6>
7. Vijayakumar, M & Vijayan, S 2015, "Extended reference signal generation scheme for integration of UPQC in grid connected PV system" Electric Power Components and Systems (Taylor & Francis), Vol.43, no.8-10, pp. 914-927. Indexed in SCIE, SCOPUS, COMPENDEX, Impact factor: 1.07, H Index: 47. DOI: <https://doi.org/10.1080/15325008.2015.1008708>
8. Vijayakumar, M & Vijayan, S 2014, 'Experimental Verification of Photovoltaic-based Three-phase Four-wire Series Hybrid Active Power Filter', Electric Power Components and Systems (Taylor & Francis), Vol.42, no.13, pp. 1356-1370. Indexed in SCIE, SCOPUS, COMPENDEX, Impact factor: 1.07, H Index: 47.
9. Vijayakumar, M & Vijayan, S 2014, 'Design and implementation of PV-based three-phase four-wire series hybrid active power filter for power quality improvement', Sadhana-Academy Proceedings in Engineering Sciences (Springer), Vol.39, no.4, pp.859-877. Indexed in SCIE, SCOPUS, INSPEC, Impact factor: 1.188, H Index: 46. DOI: <https://doi.org/10.1007/S12046-014-0253-6>
10. Vijayakumar, M & Senguttuvan, S 2018, 'Solar Photovoltaic System Interfaced Shunt Active Power Filter For Enhancement of Power Quality in Three-Phase Distribution System', Journal of Circuits, Systems, and Computers (World Scientific), Vol. 27, No. 11, pp. 1850166(27 pages). Indexed in SCIE, SCOPUS - Impact factor: 1.363, H Index: 27. DOI: <https://doi.org/10.1142/S0218126618501669>
11. Vijayakumar, M, Velumani, R & Ramasamy, M 2018 'Tele Alert System for Epileptic Seizure on study of EEG Signal Classification by GBE- NLSVM through ICA Preprocessed and AR Extracted signal in BCI System", Journal of Testing and Evaluation (ASTM International), Vol.46, no.2, pp.469-484, Indexed in SCI, SCIE, SCOPUS, Impact factor: 1.264. DOI: <https://doi.org/10.1520/JTE20160271>
12. Velumani, R & Vijayakumar, M 2018 "Prudent Automatic Falls Detection by Analyzing Carrier State Information (CSI) Signal Using Wi-Fi Devices" Journal of Testing and Evaluation (ASTM

International), Vol.47, no.4, pp.1-18. [Indexed in SCI, SCIE, SCOPUS, Impact factor: 1.264.](#)  
DOI: 10.1520/JTE20170433

13. Vijayakumar,M & Ramasamy,M 2016 “Performance Evaluation of UPQC for Interconnecting Photovoltaic Systems to the Electric Grid” Journal of Testing and Evaluation(ASTM International), Vol.42, no.13,pp.1600-1616,July2016. [Indexed in SCI, SCIE, SCOPUS, Impact factor: 1.264](#), DOI: [https://doi.org/ 10.1520/JTE20140474](https://doi.org/10.1520/JTE20140474).
14. Vijayakumar, M & Vijayan, S 2014, ‘Photovoltaic Based Three-Phase Four-Wire Series Hybrid Active Power Filter for Power Quality Improvement’, Indian Journal of Engineering and Material Sciences, Vol.21, no.4, pp.358-370. [Indexed in Ind Sci Abstr,Cambridge SciAbstr-Impact factor: 0.521](#).
15. Vijayakumar, M & Vijayan, S 2014,‘Three-Phase Four-Wire PV based Series Hybrid Active Power Filter for Power Quality Improvement’, Journal of Circuits, Systems, and Computers (World scientific), Vol.23, no.10, pp.1450144(22 pages). [Indexed in SCIE, SCOPUS-Impact factor:1.363](#).DOI: <https://doi.org/10.1142/S0218126614501448>
16. Vijayakumar, M & Vijayan, S, “Photovoltaic interfaced Three-phase Four-Wire UPQC with Extended reference current generation scheme”, Australian Journal of Electrical & Electronics Engineering (Taylor & Francis), Vol. 12, No. 2, pp.94-112.Indexed in EI Compendex, EBSCOhost, SCOPUS, H Index: 14. DOI: 10.3316/informit.282442708747527
17. Vijayakumar, M &Ramasamy, M 2015, “A Novel Reference Current Generation Method of PV based Three-Level NPC Shunt Active Power Filter” U.P.B. Sci. Bull., Series C, Vol. 77, no. 3, pp.235-250. Indexed in SCOPUS, Elsevier Sciences' Bibliographic Databases - H Index: 12.
18. Vijayakumar, M & Vijayan, S 2014, ‘PV Based Three-Level NPC Shunt Active Power Filter with Extended Reference Current Generation Method’, International Journal of Electrical Energy, Vol. 2, no.4, pp.258-267. Indexed in EI(INSPEC, IET), Ulrich's Periodicals Directory. DOI: DOI:10.12720/ijoe.2.4.258-267
19. Vijayakumar, M & Vijayan, S 2014, “ A Novel Control of Three-Phase Four-Wire Shunt Hybrid Active Filter for Grid-Connected PV System” Australian Journal of Basic and Applied Sciences, Vol.8, no.1, pp.291-300.
20. Vijayakumar, M & Vijayan, S 2013, “A Comparative Study and Implementation of Controller for UPQC in Single-Phase to Three-Phase System” International Journal of Engineering and Technology, Vol.5, no.5, pp.3846-3857.
21. Vijayakumar, M & Vijayan, S 2014, ‘Design and Implementation of Photovoltaic based UAPF in Single-Phase to Three-Phase System’, Journal of Engineering and Interdisciplinary Research, Vol.1, no.1, pp.9-17.
22. Vijayakumar, M & Deepika R 2015, ‘Photovoltaic System Based UPQC In Single- Phase to Three-Phase System’, International Journal of Applied Engineering Research, Vol.10, no.20, pp.16711-16717.
23. Vijayakumar, M & Anandkumar T 2017, ‘Automated Node Network Interface using COAP Technique with RF module’, CiiT International Journal of Wireless Communication, Vol.1, no.1, pp.9-17.
24. Vijayakumar, M & Anandkumar T 2017, ‘Automatic Node Network Interface Using RF Module with Time Synchronization Technique’, Wireless Communication, Vol.9, no.2, pp.29-33.

25. Vijayakumar, M & Arun Babu K 2014, "Analysis of Four Quadrant Operation of BLDC Motor with the Implementation of FPGA" International Journal of Innovative Research in Science, Engineering and Technology, Vol.3 Spl. Issue no.1, pp.976-983.
26. Vijayakumar, M & Gokila D 2012 "Mitigation of Harmonics in Single-Phase to Three- Phase System Using UPAF", Bonfring International Journal of Power Systems and Integrated Circuits, Vol.2, spl. Issue no.1, pp.39-44.
27. M.Vijayakumar, NandhaBalaji L, Nivashini M & Ajithkumar M 2020, "Child Rescue From Borewell Using Robotic System", International Journal of New Innovations in Engineering and Technology, Spl issue, pp. 24-27.
28. M.Vijayakumar, R.Prasanth, T.Kavin, R.Balakrishnan & S.Aravinth 2020, "Purification of Air In The Environment Using Filtering Process With Electric Power Generation, Spl issue, pp. 108-112.

#### International and National Conferences:

1. **Vijayakumar, M**, 'Vehicle Accident Detection and Locating using GSM and GPS' International Conference on science, Technology, Engineering and mathematics, Organized by Janson Institute of Technology, Coimbatore, on 26th May 2022.
2. **Vijayakumar, M**, 'Child Rescue from Borewell Using Robotic Arm' International Conference on Engineering and Technology (ICET – 2020), pp.1-6, Organized Selvam College of Technology, Namakkal, on 4th March 2020.
3. **Vijayakumar, M**, 'Purification of Air in the Environment Using Filtering Process with Electric Power generation' International Conference on Engineering and Technology (ICET – 2020), pp.1-6, Organized Selvam College of Technology, Namakkal, on 4th March 2020.
4. **M.Vijayakumar**, Minimization of Leakage Current in Cascaded multilevel H-bridge" International Conference at AL-Ameen College of Engineering, Erode, on 23-03-2019.
5. **M.Vijayakumar**, and T.Anandkumar, Automated Node Network Interface using RF module with Time synchronization Technique" International Conference on Convergence for Trends in Technology, April 2017.
6. **M.Vijayakumar**, and T.Anandkumar, Automated Node Network Interface using COAP Technique with RF module" International Conference on Contemporary Topics in Power Engineering and Aiding Technologies, February 2017.
7. **M.Vijayakumar** and Kiruthika, "Photovoltaic System Interfaced UPQC in single-Phase To Three-Phase System For Power Quality Improvement" Recent advances in Power Electronics, Embedded and Renewable Energy Systems organized by K.S.R. College of Engineering College, Tiruchengode, 12<sup>th</sup> March 2015.
8. **M.Vijayakumar**, and Deepika R, "Photovoltaic System Based UPQC in Single-Phase To Three-Phase System" IEEE Sponsored 2nd International Conference on Innovations in Information Embedded and Communication Systems, ICII ECS'15 organized by Karpagam College of Engineering, Coimbatore, 19&20<sup>th</sup> March 2015.
9. **M.Vijayakumar** and Kiruthika M, "Dual Unified Power Quality Conditioner for Three-Phase Four-Wire Distribution System" International Conference in Synergistic Evolutions in Engineering organized by Surya Engineering College, Erode, 4&5<sup>th</sup>

March 2015.

10. **M.Vijayakumar** and Kiruthika, "Dual Unified Power Quality Conditioner for Three-Phase Four-Wire Distribution System" International Conference on Innovative Strategies in Renewable Energies and its Applications ISREA '15 organized by Sona College of Technology, Salem, 5&6th March 2015.
11. **M.Vijayakumar** and Kiruthika, "Photovoltaic System Interfaced UPQC in single-Phase To Three-Phase System" National Conference on Recent Trends in Electrical Science, Institute of Road and Transport Technology, Erode, 26th Feb 2015
12. **M.Vijayakumar**, and Arun Babu K, "Analysis of Four Quadrant Operation of BLDC Motor with the Implementation of FPGA" International Conference on Engineering Technology and Science-(ICETS'14) organized by Muthayammal College of Engineering, Rasipuram, 10<sup>th</sup> -11<sup>th</sup> February 2014.
13. **M.Vijayakumar**, and Santhoshkumar, "UPQC Based Photovoltaic for Three-Phase four-wire Distribution Systems" International Conference in Mechanical and Energy Engineering-ICAMEE-2013 organized by Dr.MGR Educational and Research Institute University, Chennai-95 on 4<sup>th</sup> and 5<sup>th</sup> April 2013.
14. **M.Vijayakumar**, and Santhoshkumar, "Photovoltaic based UPQC for Three-Phase four-wire Distribution Systems" International Conference-EMICS'2013 organized by Maria College of Engineering and Technology, Kanniyakumari on 15<sup>th</sup> and 16<sup>th</sup> February 2013.
15. **M.Vijayakumar**, and D.Gokila, "Harmonic Suppression Scheme For Single Phase To Three Phase System Using UAPF", International Conference on Recent Trends in Computational Methods, Communication and Controls, ICON3C'12, held at Government College of Engineering, Tirunelveli on 4th April 2012.
16. **M.Vijayakumar**, and D.Gokila, "Comparative study of controller for UAPF for single phase to three phase system", National Conference MKCE-CONFLUENCE-12 held at M.Kumarasamy College of Engineering, Karur on February 25, 2012.
17. **M.Vijayakumar**, and D.Gokila, "Mitigation of Harmonics in Single Phase to Three Phase System Using UPAF" National Conference on Communication Technology Interventions for Rural and Social Development (NCCTIRD – 2012) held at Sri Krishna College of Technology, Coimbatore on 16<sup>th</sup> to 17<sup>th</sup> February 2012.
18. **M.Vijayakumar**, and T.Manojkumar, "Z-source Inverter for Residential Photovoltaic System", National Conference on Emerging Trends in Power Systems held at Sasurie College of Engineering, Vijayamangalam on February 25, 2011.
19. **M.Vijayakumar**, and Prof.C.Eswarlal, "Design of new Harmonic mitigator for Three-phase Distribution System" International Conference on Control Automation, Communication & Energy Conservation-2009 organized by Kongu Engineering College, Perundurai held on 4<sup>th</sup> to 6<sup>th</sup> June 2009, pp. 497-503.
20. **M.Vijayakumar**, and Prof.C.Eswarlal, "Mitigation of Harmonics in Three-Phase Four-Wire Distribution Systems- A Combined System of Shunt Passive and Series Active Filters", International Conference on Electrical Energy Systems & Power Electronics in Emerging Economics", SRM University, Chennai, 16<sup>th</sup> -17<sup>th</sup> April 2009.
21. **M.Vijayakumar**, and Prof.C.Eswarlal, "Mitigation of Harmonics in Three-Phase Four-

Wire Distribution Systems- By Using a Hybrid Active Filter”, Proceedings of the National Conference on “N3CT-2009”, Surya Engineering College, 21<sup>st</sup> March 2009.

22. **M.Vijayakumar**, and Prof.C.Eswarlal, “Mitigation of Harmonics in Three-Phase Four-Wire Distribution Systems-A Combined System of Shunt Passive and Series Active Filter”, Proceedings of the National Conference on POC-2009, Annamalai University, 14<sup>th</sup> & 15<sup>th</sup> March 2009.

23. **M.Vijayakumar**, and Prof.C.Eswarlal “Harmonic Suppression Scheme for Three-Phase Four-Wire System”, Proceedings of the National Conference on NCPED-2009, SASTRA University, Kumbakonam, 6<sup>th</sup> March 2009.

## REVIEW COMMITTEE / EDITORIAL BOARD MEMBER OF JOURNALS

**IEEE** System journal, **IEEE** Access, **IEEE** Transactions on Industrial Informatics, IET Renewable Power Generation, International Transactions on Electrical Energy Systems, Computers and Electrical Engineering(**Elsevier**), Engineering Optimization, International Journal of Electric Power and Energy Systems (**Elsevier**), Electric Power Components and Systems (**Taylor&Francis**), Journal of Circuits, Systems and Computers(**World scientific**), Journal of Testing and Evaluation (**ASTM**), Circuits and Systems (**Scientific Research**) and Recent Advances in Electrical & Electronic Engineering, International Transactions on Electrical Energy Systems.

## DETAILS OF THE FUNDING RECEIVED

- Consultant for International Collaborated Research Project titled on “Improved high voltage gain multi-port switched Quasi Z-source DC-DC converter for the Integration of renewable energy sources” amount **Rs. 27.5 Lakhs** received from Ministry of Education, Saudi Arabia (Academic year: 2022-2023)
- Received an amount of Rs.4,78,125 toward the conduction of **Pradhan Mantri Kaushal Vikas Yojana (PMKVY) By Technical Institutions** from AICTE, New Delhi for the Academic Year 2017-2018.

## MEMBER OF BOARD OF STUDIES & EXPERT COMMITTEE

- Academic Council Nominee of Board of Studies, Department of Electrical and Electronics Engineering, Adhiyaman College of Engineering, Hosur – 635109, since 2020.
- Acting as Doctoral Committee Members for two Ph.D. scholar under Anna University, Chennai.
- Acting as Research Coordinator for two Ph.D. scholar under Anna University, Chennai.



## COURSES TAUGHT

### Graduate Level:

Electrical Machines-I, Electrical Machines – II, Industrial Automation and Control, Power System Operation and Control, Robotics Engineering, Electrical Energy Conservation and Utilization and Programmable Logic Controller.

### Master Level:

Power Quality, Analysis of Inverters, Non-Conventional Energy Sources, Industrial Automation and Control, Power Electronics in Wind and Solar Energy systems.

## WORKSHOPS, FDP AND SEMINARS PARTICIPATED

1. Completed Lead Auditor Course on “Environment Management System, Green Campus Audit, Energy Audit and Hygiene Audit to Educational Institutions and Industrial Sectors” (Fourth Series) organized by the Nature Science Foundation, Coimbatore – 641 046, Tamil Nadu, India from 26th September 2022 to 30th September 2022.
2. Participated in National Webinar on BlockChain Technology, D.K. Govt. College for Women, Nellore on 16.06.2022.
3. Participated in one week National Level online Faculty Development Programme on “Challenges and Measures in Evolving Power Systems” at Mahatma Gandhi Institute of Technology, Gandipet, Hyderabad from 06.06.2022 to 11.06.2022.
4. Participated in one week National Level online Faculty Development Programme on “Greening the Grid” at Mahatma Gandhi Institute of Technology, Gandipet, Hyderabad from 17.05.2022 to 21.05.2022.
5. Participated in one week Faculty Development Programme on “ICT Tools for Effective Teaching and learning” Organized by Amar Sewa Mandal's Nehru Mahavidyalaya, Nagpur- 440024, Maharastra from 23.05.2022 to 28.05.2022.
6. Participated in AICTE Training And Learning (ATAL) Academy Online Elementary FDP on "Challenges and Opportunities for Electric Vehicle Adoption" from 19.07.2021 to 23.07.2021 at Erode Sengunthar Engineering College, Erode
7. Participated in AICTE Training And Learning (ATAL) Academy Online Elementary FDP on "Recent Trends in Power System Operation and Control" from 12.07.2021 to 16.07.2021 at Government College of Engineering, Nagpur
8. Participated in AICTE Training And Learning (ATAL) Academy Online FDP on "Green



Technology & Sustainability Engineering" from 15.02.2021 to 19.02.2021 at Sree Vidyanikethan Engineering, Rangamapet.

9. Participated in one day webinar on "IPR E-Filing" organized by K.S.R. College of Engineering, Tiruchengode, on 16.12.2021.
10. Participated in AICTE sponsored STTP on AI-based novel power distribution and correction technology at Sengunthar Engineering College, Tiruchengode from 02.11.2020 to 07.11.2020.
11. Participated in a webinar titled "Advanced Power Electronics Converters For Renewable Energy Systems" organized by Tagore Engineering College, Chennai on 26.06.2020.
12. Participated in three days' workshop on instructional and Assessment Characteristics of OBE Framework and Hands-on Practices For Designing and Mapping Outcomes at KSR Institute for Engineering and Technology, Tiruchengode during 19.11.2019 to 21.11.2019.
13. Participated in Seven days Training programme conducted by Centre For faculty Development, Anna University on Transmission & Distribution at Muthayammal College Of Engineering, Rasipuram from 04.12.2018 to 10.12.2018
14. Participated in a one-day seminar on "How to write a successful project proposal to fund agencies", conducted by K.S.Rangasamy College of Technology, Tiruchengode on 21st July 2018.
15. Participated in a one-day seminar on "IEEE XPLORE Digital Library Training", conducted by K.S.R. College of Engineering, Tiruchengode on 4th July 2018.
16. Participated one week Anna University sponsored Faculty development programme conducted by Muthayammal Engineering College, Rasipuram on" BE8253- Basic Electronics & Instrumentation Engineering" from 11th to 17th December 2017.
17. Participated one week Anna University sponsored Faculty development training programme conducted by MPNMJ Engineering College, Erode on" EE 6603- Power System Operation and Control" from 20th to 27th November 2017.
18. Participated in a one-day seminar programme conducted by K.S.R. College of Engineering, Tiruchengode on" Accreditation Board of Engineering and Technology" on 13th October 2017.
19. Participated one week Anna University sponsored Faculty development programme conducted by Al-Ameen Engineering College, Erode on" Discrete-Time Systems and Signal Processing" from 9th to 15th December 2016.

20. Participated one week Anna University sponsored Faculty development programme conducted by Muthayammal Engineering College, Rasipuram on "EE6601 solid-state drives" from 14th to 20th December 2015.
21. Participated in Two days Training programme conducted by National Instruments, Bangalore on "Basics of Laboratory Instrumentation Engineering Workbench (LABVIEW)" organized by K.S.R.College of Engineering, Tiruchengode from 18th to 19th October 2013.
22. Participated in one-day tutorial workshop "Mi power Power Systems Simulation Software" organized by PRDC, Bangalore & Vi Microsystems Pvt. Ltd., Chennai on 16th March 2012.
23. Participated in CSIR sponsored two-day seminar on "Research issues on wide-area monitoring network for smart grid applications" organized by Kongu Engineering College, Perundurai-638052 on 28-29th September 2012.
24. Participated in AICTE Sponsored Staff Development programme on "Embedded Control Applications in Drives" organized by Nandha Engineering College, Perundurai held from 13th June to 26th June 2011.
25. BRNS sponsored a two-day seminar on "Research Issues on Photovoltaic Cells in Renewable Energy Sources" Conducted at Kongu Engineering College, Perundurai from 15th to 16th December 2010.
26. MNRE Sponsored seminar on "Recent Trends in new and renewable energy sources for efficient power generation organized by Institute of Road and Transport Technology, Erode held on 10th & 11th February 2010.
27. MNRE Sponsored national seminar on "Current and Potential Issues in Renewable Energy Sources" conducted at Kongu Engineering College, Perundurai during 28th & 29th August 2009.
28. Training Programme on "Instructional Design and Delivery", Conducted by National Institute of Technical Teachers Training & Research at K.S.R. College of Engineering, Tiruchengode, 17th to 22nd August 2009.
29. CSIR Sponsored national seminar on "In-Vehicle Embedded systems" conducted at Kongu Engineering College, Perundurai during 8th & 9th May 2008.
30. National seminar on "PLC and Its Applications" conducted at Muthayammal Polytechnic College, Rasipuram from 12th to 14th May 2007.
31. State Level Workshop on "Programmable Logic Controllers and Applications" organized by Thiagarajar Polytechnic College, Salem from 23rd to 24th January 2007.

32. State Level Workshop on “Programmable Logic Controllers and Applications” organized by Thiagarajar Polytechnic College, Salem from 23rd to 24th January 2007.
33. Technical Training in Industrial Automation (PLC, SCADA & DCS) conducted by GJ Soft Automation, Coimbatore from 5th August 2006 to 11th November 2006 (weekends).
34. National Level Seminar on “Electrical Power Systems and Nonlinear Control” Organized by Sona College of Technology, Salem on 20th April 2006.
35. National Level Seminar on “Embedded System & VLSI Design” held at Muthayammal Polytechnic College, Rasipuram on 19th & 20th March 2004.
36. Staff Development Programme on “Pedagogy Training” conducted at Kongu Polytechnic College, Perundurai from 20th November 2003 to 4th December 2003.

**M.VIJAYAKUMAR**