CURRICULUM VITAE

1. NAME: A.VIJAYAKUMARI
2. Gender: FEMALE
3. Date of birth: 10/07/1970
4. Nationality Indian
5. Passport details T4587825, Valid upto 18.06.29
6. Mail ID: 71viji@gmail.com, a_vijayakumari@cb.amrita.edu
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S. No.	Position & Organisation	Nature of Job	Period
1.	Govt. of India Trainee (Development and Engineering), Bharath Electronics, Defense Section, Nandambakkam, Madras	R&D	September 1991 – August 1993
2.	Project Engineer, Easwari Associates, (Electrical consultants for Wind farm erections) , Coimbatore	R & D	October 1993- March 1995
3.	Lecturer , Govt. College of Technology, Coimbatore	Teaching	June 1995 – August 1999
4	Lecturer, Senior Lecturer Assistant professor (Selection Grade), Amrita School of Engineering, Coimbatore Amrita Vishwa Vidyapeetham, India	Teaching & Research	June 2001 – June 2007
5.	Assistant Professor (Selection Grade) Amrita School of Engineering, Coimbatore Amrita Vishwa Vidyapeetham, India.	Teaching & Research	July 2007 – December 2017
6.	Associate Professor, Department of Electrical and Electronics Engineering, Amrita School of Engineering,	Teaching & Research	January 2018 – Till date

	Coimbatore, Amrita Vishwa Vidyapeetham, India. Amrita Nagar Post, 641112.		

EDUCATION DETAILS

S. No.	Degree	Institution	Year	Division/Class
1.	Ph. D. (A Novel Maximum Power Point Tracking Of Photovoltaic Array And Online Dynamically Decoupled Control Of Micro-Grid Connected Inverter)	Anna University, Chennai	November 2014	NA
2.	Master of Engineering in Electrical and Electronics Engineering Specialization – Applied Electronics	Coimbatore Institute of Technology, Coimbatore Bharathiar University, Tamilnadu	2001	First Class
3.	Bachelor of Engineering in Electrical and Electronics Engineering	Kumaraguru College of Technology, Bharathiar University, Coimbatore, Tamilnadu	1991	First Class

RESEARCH ACTIVITIES

a. **Book chapter authorship:**

Vijayakumari, A. "Design of Microgrids." In *Smart Microgrids*, pp. 13-117. CRC Press, 2020.
https://www.routledge.com/Smart-Microgrids/Kottayil/p/book/9780367343620

b. Magazine article: Vijayakumari.A.," *Is harmonic Resonance a real threat?*", Energy Manager, SEEM, Vol. 13, No.2, April-June 2020.

c. **Research Publications in Peer Reviewed Journal & Conferences**

Sl. No.	International Journals
	SCI INDEXED JOURNAL PUBLICATIONS
1.	Vijayakumari, A. "A non-iterative MPPT of PV array with online measured short circuit and open circuit quantities." *Journal of King Saud University-Engineering Sciences* (2020). Available online April 2020, and article in press. https://www.sciencedirect.com/science/article/pii/S1018363920302269
2.	Sai Manoj.P., **Vijayakumari.A** and Sasi K Kottayil, Development of a comprehensive MPPT for grid-connected wind turbine driven PMSG. *Wind Energy*. 2019; 22: 732– 744. https://doi.org/10.1002/we.2318
3.	**Vijayakumari, A**., Devarajan, A. T., & Devarajan, N. (2015). Decoupled control of grid connected inverter with dynamic online grid impedance measurements for micro grid applications. *International Journal of Electrical Power & Energy Systems*, *68*, 1-14.
4.	**Vijayakumari, A**., Devarajan, A. T., & Devarajan, N. Design and development of a model-based hardware simulator for photovoltaic array. *International Journal of Electrical Power & Energy Systems*, *43*(1), 2012, 40-46.
	Journal Article– Accepted for Publication
5.	Bhadra R Warrier & Vijayakumari.A., "Dynamic Adaptability of Model Predictive Control for Power Converters in Inverter Dominated Microgrids", *Journal of King Saud University-Engineering Sciences. Accepted on 22nd Sep.2020*
	SCOPUS INDEXED JOURNAL PUBLICATIONS
6	Gurunath, Konka, and A. Vijayakumari. "Regenerative Braking Control of Induction Motor in Electric Vehicles for Optimal Energy Recovery." *Advances in Intelligent Systems and Computing*, pp. 229-238. Springer, Cham, 2019.
7	Warrier, Bhadra R., A. Vijayakumari, and Sasi K. Kottayil. "Performance Evaluation of Model Predictive Current Controlled Grid Tied Converter for Sampling Frequency Variations." *International Journal on Electrical Engineering and Informatics* 11, no. 3 (2019): 463-473.
8	Mahendra, G., Sakthivadivel, D., Vijayakumari, A., Design of BLDC motor for agriculture pump application, 2019, *"International Journal of Recent Technology and Engineering"*, Volume-8, Issue-2, July 2019
9	Balaji, R., Adithya, R., Vijayakumari, A., Ashvinth, A., Aarthi, N, Control of hybrid energy storage for extended battery life in electric vehicles, 2019, *"International Journal of Recent Technology and Engineering"*, Volume-8, Issue-1, May 2019.
10	Swathika.S Vinothraj. C ,**Vijayakumari.A** "Empirical Wavelet transforms – An alternative approach for Harmonic Measurements in Distribution Systems", Springer Lecture Notes in Electrical Engineering. 521, pp. 257-269, 2019

11	Balachandran, Rahul, and A. Vijaya Kumari. "Thermal analysis for optimized selection of cooling techniques for SiC devices in high frequency switching applications." In *IOP Conference Series: Materials Science and Engineering*, vol. 577, no. 1, p. 012143. IOP Publishing, 2019.
12	Karthik, VM Vikhash, V. Shruthip, P. J. P. Rahul, C. Madhan, and A. Vijayakumari. "Industrial Metal Waste Management with MAGNETO Robot." In *International Conference on Intelligent Data Communication Technologies and Internet of Things*, pp. 96-104. Springer, Cham, 2018.
13	Ram SS, **Vijayakumari A**. Thermal modeling of wide bandgap semiconductor devices for high frequency power converters. Materials Science and Engineering. 2018 Feb (Vol. 310, No. 1, p. 012133). IOP Publishing.
14	Vijayakumari, A., A. T. Devarajan, and S. R. Mohanrajan. "Power angle control of a single phase grid connected photovoltaic inverter for controlled power transfer." *Soft Computing Systems*, pp. 451-461. Springer, New Delhi, 2016.
15	Vijayakumari, A., A. T. Devarajan, and N. Devarajan. "Extraction of Photovoltaic (PV) Module's Parameters Using Only the Cell Characteristics for Accurate PV Modeling." *Soft Computing Systems*, pp. 265-276. Springer, New Delhi, 2016.
16	**Vijayakumari. A**, A.T. Devarajan & N. Devarajan, *'Effect of Grid Impedance Variation on the Control of Grid Connected Converters with Synchronous Reference Frame Controllers in Micro-Grids'*, Springer Lecture Notes in Electrical Engineering, Vol. 326, 2015, pp. 1545-1553.
17	Deepthi, K., **A. Vijayakumari**, and Arun Joshy. "Control of Grid Connected Inverter with PR Controller and LCL Filter for Interfacing Renewable Energy Sources." Journal of *Advanced Materials Research*, vol. 984, pp. 979-989. 2014.
	Non Scopus indexed Journals
18	Jeevan Jachak, **Vijayakumari. A**., Wireless Power Transfer System with Quasi Z-Source inverter, International Journal of Pure and Applied Mathematics Volume 119 No. 7, 2018, 353-359
International Conferences	
1	Ajithkumar, P. A., and A. Vijayakumari. "High Efficiency Control with Optimum Speed Prediction for Interior Permanent Magnet Synchronous Motor in Electric Vehicle applications." In *2020 Fourth International Conference on Computing Methodologies and Communication (ICCMC)*, pp. 1018-1023. IEEE, 2020.
2	M. Yacob and V. A., "Control of Grid Tied Solar Inverter with Low Voltage Ride Through," *2018 15th IEEE India Council International Conference (INDICON)*, Coimbatore, India, 2018, pp. 1-6, doi: 10.1109/INDICON45594.2018.8987041.
3	V. Shah and A. Vijayakumari, "Field Oriented Control of Permanent Magnet Motor with Sliding Mode Observer," *2018 15th IEEE India Council International Conference (INDICON)*, Coimbatore, India, 2018, pp. 1-6.

	doi: 10.1109/INDICON45594.2018.8987145.
4	Shah Vaibhav, and A. Vijayakumari. "Field oriented control of surface mount permanent magnet synchronous machine with non-linear observer for continuous rotor position estimation." In *2018 3rd International Conference for Convergence in Technology (I2CT)*, pp. 1-6. IEEE, 2018
5	Deepak, C. M., A. Vijayakumari, and S. R. Mohanrajan. "Virtual inertia control for transient active power support from DFIG based wind electric system." In *Recent Trends in Electronics, Information & Communication Technology (RTEICT), 2017 2nd IEEE International Conference on*, pp. 809-814. IEEE, 2017.
6	Aarthi, N., A. Vijayakumari, KC Sindhu Thampatty, and TN Padmanabhan Nambiar. "Single stage grid connected solar micro-inverter with two level fuzzy logic MPPT controller." In *Circuit, Power and Computing Technologies (ICCPCT), 2017 International Conference on*, pp. 1-6. IEEE, 2017. **Best Paper Award**
7	Gopakumar, Arya, and A. Vijayakumari. "Model predictive current controller for grid connected PV inverter." In *Circuit, Power and Computing Technologies (ICCPCT), 2017 International Conference on*, pp. 1-6. IEEE, 2017.
8	Mohanrajan, S. R., A. Vijayakumari, and Sasi K. Kottayil. "Power balancing in autonomous micro grid with variable speed pump." In *2017 IEEE International Conference on Power, Control, Signals and Instrumentation Engineering (ICPCSI)*, pp. 2118-2121. IEEE, 2017.
9	Shah, V. and Vijayakumari, A., 2017, December. Regression based-programmable optimal controller for induction machine. In *2017 International Conference on Technological Advancements in Power and Energy (TAP Energy)*. IEEE.
10	Vijayakumari A. and Anusha K. V., "Subharmonics detection in regular sampled Space Vector PWM and its mitigation with low computational dynamic sampling," *2016 IEEE International Conference on Power Electronics, Drives and Energy Systems (PEDES)*, Trivandrum, 2016, pp. 1-6.
11	Sandeep, P. V., and A. Vijayakumari. "Grid connected wind driven permanent magnet synchronous generator with high frequency solid state transformer." In *Emerging Technological Trends (ICETT), International Conference on*, pp. 1-6. IEEE, 2016.
12	Khan, K. Kareemulla, and A. Vijayakumari. "A dual mode control for bridgeless SEPIC power factor correction rectifier." In *Emerging Technological Trends (ICETT), International Conference on*, pp. 1-6. IEEE, 2016.
13	Raghul, N., A. Vijayakumari, and S. R. Mohanrajan. "Renewable generators' capacity optimization for a micro-grid in rural feeder using HOMER—A case study." In *Emerging Technological Trends (ICETT), International Conference on*, pp.

	1-6. IEEE, 2016.
14	Ankita, V., and A. Vijayakumari. "A reduced converter count solid state transformer for grid connected Photovoltaic applications." In *Emerging Technological Trends (ICETT), International Conference on*, pp. 1-7. IEEE, 2016.
15	Anusha, K. V., and A. Vijayakumari. "The effect of sampling rates on the performance of a three phase PWM inverter and choice of appropriate sampling rates." In *Power and Energy Systems: Towards Sustainable Energy (PESTSE), 2016 Biennial International Conference on*, pp. 1-5. IEEE, 2016.
16	Karthick, G., Gokul, C., Vijayakumari, A., Sujith, P., Suyampulingam, A. and Kumar, N.P., Design and implementation of a fault emulator for LVRT capability testing of wind turbines. In *Electrical, Electronics, Engineering Trends, Communication, Optimization and Sciences (EEECOS 2016), 3rd International Conference on* (pp. 1-5). IET. 2016.
17	Arutselvan K, Vijayakumari A. Assistive Autonomous Ground Vehicles in Smart Grid. Procedia Technology. 2015 Jan 1;21:232-9.
18	Warrier BR, Vijayakumari A. Stationary Reference Frame Control of UPF AC-DC Converter without PLL. Elsevier Procedia Technology. 2015 Jan 1;21:452-9.
19	Vijayakumari A, Warner BR, Devarajan N. Topologies and control of grid connected power converters. In Circuit, Power and Computing Technologies (ICCPCT), 2014 International Conference on 2014 Mar 20 (pp. 401-410). IEEE.
20	Vijayakumari, A., A. T. Devarajan, N. Devarajan, and K. Vijith. "Dynamic grid impedance calculation in DQ frame for micro-grids." In *Power and Energy Systems Conference: Towards Sustainable Energy, 2014*, pp. 1-6. IEEE, 2014.
21	Kumaresh.V, Vijayakumari. A, Ramakrishna.N, and Saravana Prabu .R, "PV Panel Emulator In Matlab For Performance Evaluation of MPPTs", International Conference On Renewable Energy Utilization (ICREU-2014), pp.506-512.

c. Software and Hardware Proficiency:

1. Simulation Platforms : OrCAD/Pspice, MATLAB – Simulink – Simpower Systems, Simscape.
2. Hardware In-Loop: dSPACE and OPAL-RT 4200
3. Digital controllers: STM Discovery, dsPIC30F4011 and dsPIC30F3011
4. Hand on experience on the hardware development, testing and field trial of controllers for converters in Renewable Energy integration on a Microgrid Emulator representing an area of nearly 25 km^2 with a peak demand of 15MW, and scaled down to 5kW at 440V. This is a Indo-Swedish research collaboration funded by "DST-VINNOVA which facilitated the development of the "Smart

Micro Grid Emulator" with renewable energy based distributed generation interface at Amrita Vishwa Vidyapeetham.

The aforesaid microgrid emulator is developed in-house and has the research facility to demonstrate Power system operation and control, energy management in micro-grids, renewable energy integration, wireless communication, and cloud computing and cyber security on smart grid.

d. AWARD/RECOGNITION/ HONOUR

S. No.	Name of the honor/award / recognition received	Name of the Agency	Month & Year of receiving the honor/award / recognition
1.	IREDA - NIWE Award for Best Research Work in Wind Energy for the research titled "**Control of Wind Turbine-Driven DFIG in a Standalone Micro Grid for Stator Voltage and Frequency Regulation**"	National Institute of Wind Energy (NIWE)	March 2018
2.	Excellence in Teaching (2016-17)	Amrita School of Engineering, Coimbatore	January 2018
3.	Award for the best project for the state of the future art contest for the title "**Is Harmonic resonance a real threat for grid connected electronics? And its mitigation with signal decomposition algorithms"**	ELGi Equipments, Coimbatore (Air compressor Export Industry)	December 2019

e. Ph.D. Supervision:

Sl. No.	Name and Reg. No.	Thesis Title	Status
1	Bhadra .R. Warrier	Signal decomposition based grid synchronizer for Power Converter Control	**Registered in 2016 Completed**

	(Under Visvesvaraya Scholarship scheme – MHRD)	in Smart microgrid Environment with Model Predictive power Controllers	**First Open seminar**
2	Mr. Mohanrajan	Design, development and testing of simultaneous multiple control for Integrated Wind-Solar Hybrid autonomous micro-grid	**Registered in 2016 Completed First Open seminar**
3	Ikkurti Sai Chaitanya	Maximum torque per ampere control for Interior Permanent Magnet Synchronous Motor accounting the effect of Temperature and magnetic cross coupling	**Registered in 2019 Registered and course work in progress**
4.	Prasanth RK	Development of Maximum Power Point tracking of Wind turbine driven DFIG in AC micro grids.	**Registered in 2020 and course work in progress**

Research Proposals and Grants:

Sl. No.	Organization	Title of Research Work	Duration	Fund
1.	DSIR	Power Converter and smart systems Design Centre to extend R&D support to MSME cluster of Coimbatore & Palakkad. Submitted on 23/06.2020. Awaiting results	5 Years	Rs. 4,35,90,000
2.	Indian Naval Academy, Ezhimala, Kerala (On Going)	Modelling and emulation of ship's electrical system	2 Years	Rs. 10,00,000

INTERNATIONAL COLLABORATIONS

Sl. No.	NAME OF CORPORATE/ UNIVERSITY	DESIGNATION AND AFFILIATION OF SIGNATORY	DATE
1.	TU-DELFT, Netherland	Dr. José J.L. Rueda Torres Dr. P. (Peter) Palensky, (Prof. and Chair),	26.3.2016 (Partner for Indo-Dutch Joint Research on 'DATA-

		Intelligent Electrical Power Grids P.O. Box 5031 2600 GA Delft Delft University of Technology The Netherlands.	DRIVEN SCIENCE - COMPUTATIONAL AND DATA SCIENCES - FOR SMART AND SUSTAINABLE ENERGY RESEARCH)
2.	M/s NZV India Private Ltd, Bangalore, India	Dr. Rajan Kapur, Ph.D. Mr. A S Sankaranarayanan, Director, NZV India Private Ltd, Bangalore, India	25.9.2015 (Partner for Indo-UK Joint Call Announcement to select Indian Consortia for UK-India Joint Virtual Centre for Clean Energy)
3	University of Wisconsin-Madison, Madison 1415, Engineering Drive, Madison, Wisconsin, USA, Ph: 6082624479	Dr. Giri Venkataramanan, Professor , Department of Electrical Engineering, University of Wisconsin-Madison, Madison	17.8.2017 (Partner for joint project proposal DST- Mission Innovation Challenge IC#2 Off-grid access to electricity)
4	University of Chile, Avenida Tupper 2007, Santiago, Chile. Ph: +56(2)2978-4768	Dr. Patricio Mendoza-Araya, Assistant Professor, Department of Electrical Engineering, University of Chile,Santiago.	17.8.2017 (Partner for joint project proposal DST-Mission Innovation Challenge IC#2 Off-grid access to electricity)
5	Jadavpur University, Kolkata	Professor Subhasis Neogi PhD (Engg), Director School of Energy Studies Jadavpur University Kolkata - 700 032	13.4.2016 Submitted A Joint Research Proposal To MNRE Against R&D Project All For Small Wind Turbine Systems

CONSULTANCY

- Technical assistance to SEEM, for techno economic feasibility study of wind/solar farm development at Palayam, Tamilnadu for M/S KSE Ltd., Irinjalakuda, Kerala in November 2016.

GRADUATE COURSE (POWER ELECTRONICS) PROJECT GUIDANCE:

Year	Title of the Project/Thesis	Outcome
2019-2020	1. Controlled Energy Modulation (CEM) for DC-Link Capacitor optimization of three phase inverters in microgrid 2. Fuzzy logic based Direct torque control of Induction motor for Electric Vehicle applications 3. High Efficiency Control with optimum speed prediction for Interior Permanent Magnet Synchronous Motor driven Electric Vehicles 4. Continuous Variable Transmission (CVT) integrated drivetrain for Electric Vehicles with Switched Reluctance Motor drives	On going
2018-2019	1. Hybrid Energy Storage System For Electric Vehicle Using Battery And Ultra-capacitor 2. Regenerative braking of Induction Motor for Electric Vehicle applications 3. Development of High voltage series switches for 50 kV modulator 4. Design of BLDC Motor For Agriculture Pump Application	Published 3 scopus Indexed research papers
2017-2018	1. Sensorless Field oriented control of BLDC motor with non-liner state observer 2. Quasi – z source converter based wireless	Published 3 scopus Indexed research papers

	power transfer system for Electric Vehicle applications 3. A hybrid Maximum power point tracking of a Wind turbine-PMSG system 4. Development of H/LVRT Capability for a solar PV power system 5. Regenerative Energy recovery for extended drive range in Self-drive Electric Vehicle	Published 1 paper Documentation in Progress Documentation in Progress
2016-2017	1. Model predictive current control for grid connected converter 2. Virtual inertial control for transient grid frequency stability 3. Porting MEDC17 to MDG1 controller of Electronic control Unit of an Electric Vehicle 4. Evaluation Of Solar Penetration Levels In A Diesel-Pv Hybrid System With Variable Speed Generators	Published A Paper- Scopus Indexed Published A Paper- Scopus Indexed Published A Paper- Scopus Indexed Published A Paper- Scopus Indexed
2015-2016	1. Grid Interface Of Photo Voltaic Sources Through High Frequency Multistage Converter 2. Unity Power Factor Rectifier For Led Driver Using Bridgeless Sepic 3. Solar Photo-Voltaic(Pv)Panel Plotter/Tester 4. Capacity Optimization And Power Flow Control For Amrita 5-Bus Micro-Grid 5. Grid Connected Wind Driven Permanent Magnet Synchronous Generator Through Solid	Published A Paper- Scopus Indexed “ -- Published A Paper- Scopus Indexed

	State Transformer	"
2014-2015	1. Control Of Wind Turbine Driven Dfig In A Standalone Micro Grid For Stator Voltage And Frequency Regulation 2. Control of Multiple Energy Sources' converters Connected to a DC Micro-Grid	Published one paper in IEEE conference scopus indexed another paper in PEDESE Conference, another paper submitted for IEEE transactions on Industry Electronics Published a paper in a non-scopus indexed journal
2013-2014	1. Stationary Reference Frame Control of UPF AC-DC Converter without PLL 2. Control of Grid Connected Inverter with PR Controller and LCL Filter for Interfacing Renewable Energy Sources	Published two papers one is scopus indexed Published a paper in scopus indexed journal "Advanced

		materials research"
2012-13	1. A modified MPPT with short current pulse for grid connected current controlled inverters	Published a paper in SCI indexed journal
	2. Control of grid connected 3 phase inverters with dynamic compensation using PR Controllers	Published a paper in Scopus indexed journal

INVITED LECTURES DELIVERED

S. No.	Name and address of the Institution and Name of the event	Lecture Topic	Date and Time
1.	FDP on Research challenges in Renewable Energy Technologies at New Horizon College of Engineering, Bangalore.	**Research challenges in Inverter function for high penetration of Renewable Energy**	20.09.2020 10 am -12 am
2.	AICTE sponsored short term training program series on "Grid Integration Techniques for Electric Vehicles: Challenges, Opportunities, G2V &V2G applications"	**"Battery Management for Electric Vehicles"**	16.09.2020
3	AICTE Sponsored Online STTP on "Application of Soft Computing Techniques to Renewable Energy System, Govt. College of Technology, Coimbatore	**Application of Soft Computing Techniques in the control of grid connected converters in Renewable Energy System**	Aug 12, 2020

4	National level 5 day online Faculty Development Programme on '**Real time Applications of Power Electronics-Research Scope and Challenges' , Adhi Shankara College of Engineering, Kaladi, Kerala**	Role of Power Converters in Renewable energy integration to grid	**27.07.2020**
5	Five day online FDP on "Research Initiatives in Renewable Energy Systems", Muthoot Institute of Technology and Science, Cochi, Kerala	Smart Inverter functions for High penetration of Renewable Energy	25.07.2020
6	IEEE PES & IAS Jt Student branch Chapter and Dept. of EEE - AMRITA SCHOOL OF ENGINEERING BANGALORE organized Webinar series	Power electronic interfaces for solar PV systems	21.04.2020
7	IEEE PES & IAS Jt Student branch Chapter and Dept. of EEE - AMRITA SCHOOL OF ENGINEERING BANGALORE organized Webinar series	Battery Management systems for Electric Vehicles	23.04.2020
8	AICTE Sponsored Two Week Faculty Development Programme On "RESEARCH PERSPECTIVES ON SOLAR AND WIND ENERGY SYSTEMS" at Rajiv Gandhi institute of Technology, Kottayam	**WTG** modelling & simulation (Dr A Vijayakumari, Amrita)	16th Jan 2018
9	AICTE sponsored FDP on Smart Grid and Clean Energy Technologies, Pondicherry Engineering College, Pondicherry	Role of **Power Converters** in Smart Grids (A.Vijayakumari, Amrita)	18 December 2017

10	TEQIP – II Sponsored National Level Workshop on "Solar and Wind Energy Conversion Systems – Hands-on Training", conducted by Center of Excellence on Alternate Energy Research, Govt. College of Technology, Coimbatore	Grid Connected Doubly Fed Induction Generators for **Wind** energy Application-Modeling and Simulation Resource person: Dr. A. Vijayakumari, Amrita	16th March 2016
11	GCT,COIMBATORE, TEQIP – II sponsored Faculty Development Programme on "Smart Grid & Smart City"	CONTROL OF POWER CONVERTERS FOR SMART GRID APPLICATIONS	13.11.2016 11AM-1PM
12	KARPAGAM UNIVERSITY, Coimbatore, one day National level seminar on " solar PV system and power quality issues"	Solar PV systems & POWER QUALITY ISSUES IN PV SYSTEMS	21.09.2016 10.45-12.30
13	ENERGY CONSERVATION SOCIETY, CHALAKUDI, TRAINING PROGRAMME ON SOLAR PV SYSTEMS	INVERTERS IN SOLAR PV SYSTEMS	5.9.2016 2-4pm
14	Karunya University, Coimbatore. IEEE Power Electronic Society sponsored National Level Workshop on "Control of Electric Drives with Advanced Power Converters	Design considerations for converters in Electric drives applications	12.2.2016
15	Ahalia Alternate Energy Pvt. Ltd & Ahalia school of Engineering and Technology, Kanjikode	Controllers in Solar Photovoltaic Systems	4.3.2016 11-1PM & 2-4PM

		& Inverters for Solar Photovoltaic Systems	
16	GCT, COIMBATORE National Level Workshop on "Solar and Wind Energy Conversion Systems – Hands-on Training" under TEQIP	Grid connected Doubly fed Induction Generators	15-03-2016 9.30-11am
17	TKM COLLEGE OF ENGINEERING, KOLLAM, TEQUIP Sponsored National level Faculty Development Programme on "Renewable Energy: Policies and Practices	Solar PV system components – An overview	30.11.2016 11-1PM
18	THEJAS ENGINEERING COLLEGE, TRISSURE, National workshop on Power quality issues in solar and wind energy systems	GRID CONNECTED SOLAR PHOTOVOLTAIC SYSTEMS & LABORATORY DEMONSTRATION OF PWM FOR INVERTERS	08-09-2015 11-1PM & 3-4PM
19	Training Programme on Solar Energy for Scientists and Engineers of Agency for Non-conventional Energy and Rural Technology (ANERT) at Wayanad.	'SOLAR PV SYSTEM - PRINCIPLES AND OPERATION OF THE COMPONENTS'	26th February 2015
20	TEQIP-II-CoE-AER sponsored one week FDP on "Research Issues in Renewable energy Systems"	Renewable energy integration with	29-05-'15

	organised by the department of EEE, GCT, Coimbatore	micro grid and control" " Laboratory Demonstration of hardware implementation of PWM Inverter using Microcontrollers "	
21	Sri Eashwar College of Engineering, Coimbatore served as a Judge for their Project Contest " Science Spectrum"		8th November 2014
22	TEQIP - Center of Excellence in Renewable Energy sponsored Two day workshop on " Wind and Solar Energy Systems" at GCT, Coimbatore	MAXIMUM POWER POINT TRACKING FOR SOLAR PHOTOVOLTAIC SYSTEMS" and "Control of Grid connected Power Converter"	13th and 14th March 2014
23	Expert Lecture FOR MECHATRONICS ASSOCIATION VALIDICTORY Sri Krishna college of Engineering and Technology, Coimbatore	Recent trends in Power Electronics	28th February 2014 2-4 pm
24	Invited Lecture Series at Dept. of EEE, Mar Athanasius College of Engineering, Kothamangalam, Kerala	Renewable Energy Sources – Solar and Wind	19/03/2014 11AM-1.00PM
25	Society of Energy engineers and Energy Managers (SEEM) training programme, Practice course on SPV systems, 3-4 August 2013	CHARGE CONTROLLERS AND INVERTER IN SOLAR PV SYSTEMS	4.08.2013
26	AICTE sponsored FDP on	"Pspice Simulation	16-05- 2013.

	"Avenues for advanced research in modern power electronics and hybrid energy systems" GCT, Coimbatore	for power electronics "Hands on lab session on Pspice simulation	
27	Short Term Training Programme on "Power Electronics- Applications and Challenges" College of Engineering Trikaripur, Cheemeni	"Recent Trends in Power Electronics " "Power electronic converters their control in various applications"	18-03-2013

REVIEWER OF INTERNATIONAL JOURNALS

S. No.	Name of the Journal / Conference	Year
1.	IEEE Transactions on Industry Applications	from 2014 onwards
2.	IEEE Transactions on Industry Electronics	from 2014 onwards
3.	IEEE Transactions on Power Electronics	from 2015 onwards
4.	IEEE Transactions on Industrial Informatics	from 2014 onwards
5.	IEEE Transactions Energy Conversion	from 2014 onwards
6.	Energy Conversion And Management (ELSEVIER)	from 2014 onwards
7.	Power Components And Systems (TAYLOR & FRANCIS)	from 2014 onwards
8.	Journal Of Modern Power Systems And Clean Energy (SPRINGER)	from 2016 onwards