

Dr. B. Ashok Kumar

Assistant Professor

Department of EEE

Thiagarajar College of Engineering,

Madurai-625015, Tamilnadu.

Mobile: 9955555066

Email:ashokudt@tce.edu

PUBLICATIONS

I. JOURNALS

- [1] Ashok Kumar, B, Kamaraj, N & Subasri,C,K, 2014,'Harmonic Reduction in Grid connected Wind Energy System with Dynamic Voltage Restorer using Fuzzy Logic Technique', Applied Mechanics and Materials, Vol. 626, pp. 197-201 (ISSN Print 1660-9336)
- [2] Ashok Kumar, B, Kamaraj, N &Subasri,C,K,2014,'Fuzzy Controller for Improving Voltage Profile in Grid Connected Wind Energy System with FACTS devices', Journal of Theoretical and Applied Information Technology , Vol. 63 No.2, pp. 529-536 (ISSN: 1992-8645)
- [3] Ashok Kumar, B, Kamaraj,N & Subasri,C,K ,2014"Harmonic Reduction In Wind Farm Using Dynamic Voltage Restorer Based On ANFIS," International Journal of Advanced Technology & Engineering Research (IJATER)
- [4] Ashok Kumar, B, Kamaraj,N & Subasri,C,K ,2015, Voltage Control of Fixed Speed Wind Farm Under Unbalanced Grid Faults Using DVR', Power Electronics and Renewable Energy Systems, 183-191
- [5] Ashok Kumar, B, Kamaraj,N & Subasri,C,K ,2014, 'Voltage Control of a STATCOM at a Fixed Speed Wind Farm Under Unbalanced Grid Faults Using Fuzzy Logic Technique' Power Electronics and Renewable Energy Systems, 1349-1358
- [6] Ashok Kumar,B, M. Srinivasa Venkatesh,G. Mohan Muralikrishna," Optimization of Photovoltaic Power Using PID MPPT Controller Based on Incremental Conductance Algorithm" Power Electronics and Renewable Energy SystemsVolume 326 of the series Lecture Notes in Electrical Engineering pp 803-809 2014
- [7] Ashok Kumar,B, Sivasankar,G 2016 "MPPT based Control of Stand Alone Wind Battery System" International Journal of Innovative Research in Electrical,

Electronics, Instrumentation and Control Engineering, Volume 4, PP 435-440

- [8] B.Ashok Kumar, G. Sivasankar 2016 “Design and Analysis of Hybrid Renewable Energy for Solar and Wind Energy Systems” International Journal of Innovative Research in Electrical, Electronics, Instrumentation and Control Engineering, Volume 4,PP 447-450
- [9] B.Ashok kumar, G.Sivasankar, B.Sangeeth kumar, T.Sundarapandy, M.Kottaisamy 2018 “Development of Nano-composite Coating for Silicon Solar Cell Efficiency Improvement”, ScienceDirect, Materials Today: Proceedings 5 (2018) pp.1759-1765

II. CONFERENCES :

International Level

- [1] A.Sivaranjani,S.Senthilrani,B.Ashokkumar,A.SenthilMurugan,"Computer Vision Based Method for Counting Various Food Products with Different Shapes and Size",Proceedings of International Web Conference on Innovations in Communication and Computing, ICICC '20,pp 6
- [2] B.Ashok kumar,M.Sowmya,G.Srimathi,"Design and Simulation of Charging System of Electric Vehicle Using Renewable Energy",Proceedings of UW-VIT-AU Virtual Conference on Advances in Electrical Drives, Process Control and Automation on 09th June 2020
- [3] B.Ashok Kumar, S.Senthilrani, H.Keerthana,"Thermal Aware Device Design Using Hotspot Analysis" E-Proceedings of First InternationalConference on Automation, Signal Processing,Instrumentation and Control-iCASIC-2020(February 27-28, 2020),pp 165
- [4] B. Ashok Kumar, M. Natarajan,S. Senthirani "Design & Fabrication of Automatic Inspection Unit for Timing Pulley in Quality Control", Proceedings of National Seminar on Energy and Earth (NSEE-19) organized by Harcourt Butler Technical University, Kanpur, Uttar Pradesh, India. pp 8-9
- [5] B.Ashok Kumar,S.Senthilrani,2019 " Performance Prediction and Suitability Determination of Parabolic Trough Collector based CSP Generation", Proceedings of AICTE Sponsored International Conference on Innovative Research in Thermal and Manufacturing Engineering (IRTME'19)
- [6] A.Sivaranjani, S.Senthilrani, **B.Ashokumar**, A.Senthil Murugan," CashNet-15:An Optimized Cashew Nut Grading Using Deep CNN and Data Augmentation",2019,

proceedings of second IEEE International Conference on Systems, Computation, Automation and Networking,(ICSCAN-2019) pp 768-772

- [7] **Dr.B.AshokKumar**,R.Jeyabharathi,Mr.S.Surendhar,Dr.S.Senthilrani S.Gayathri,” Control of Four Tank System Using Model Predictive Controller”,2019, proceedings of second IEEE International Conference on Systems, Computation, Automation and Networking,(ICSCAN-2019) pp 653-657
- [8] **Dr.B.Ashok kumar**, S.Gayathri Mr.S.Surendhar, Dr.S.Senthilrani, R.Jeyabharathi” Robust H-Infinity Controller For Two Degree Of Freedom Helicopter”,2019, proceedings of second IEEE International Conference on Systems, Computation, Automation and Networking,(ICSCAN-2019) pp 648-652
- [9] A.Sivaranjani, S.Senthilrani, **B.Ashokumar**, A.Senthil Murugan, “An Improvised Algorithm For Computer Vision Based Cashew Grading System Using Deep CNN”,2018 Proceedings of IEEE International Conference on System, Computation, Automation & Networking ,(ICSCAN-2018) pp 555-559
- [10] Ashok Kumar, B , Krishna kumar , M, Kannan, R, Rajaduari, P, Senthilrani , S,’ Monitoring and Protection of Distribution Transformer Using GSM Modem’,2017 Proceedings of AICTE Sponsored International Conference on Power and Energy Systems-ICPES 17, P.13
- [11] B Ashokkumar, G Sivasankar, B Sangeethkumar, T Sundarapandy, M Kottaisamy ‘Development of Nano-composite Coating for Silicon Solar Cell Efficiency Improvement ’,Proceedings of Processing of Materials, Minerals and Energy :*PMME-2016*
- [12] G.Sivasankar, B.Ashok Kumar, M.Kottaisamy, Development of Anti-reflection coating for silicon solar cell, First Symposium on advanced functional materials (FUNMAT-2016: Energy Conversion and Storage) May 26 - 28, 2016, CSIR-Central Electrochemical Research Institute, CECRI, Karaikudi-630003, Tamil Nadu, India
- [13] Design and Control of standalone Wind Energy conversion system, National Conference on Power and Renewable Energy Systems-NCPRES’16 29-30, Jan 2016,Organized by Department of Electrical and Electronics Engineering, Velammal College of Engineering and Technology, Madurai-625009
- [14] Design and Analysis of Solar PV Module, National Conference on Power and Renewable Energy Systems-NCPRES’16 29-30, Jan 2016,Organized by Department of Electrical and Electronics Engineering, Velammal College of Engineering and Technology, Madurai-625009

- [15] Sivasankar, G, Vidhyaa,K, Anitha,E, Ashok Kumar, B, Vairaprakash,P,2016,' Application Of Luo Converter And Multilevel Cascaded Converter For Grid Integration Of Solar Pv Systems', Proceedings of International Conference on Circuit, Power and Computing Technologies [ICCPCT]
- [16] Ashok Kumar, B, Kamaraj, N & Subasri, CK 2014,'Voltage control of fixed speed wind farm under unbalanced grid faults using DVR', proceedings of International conference on Power Electronics and Renewable Energy Systems- ICPERES
- [17] Ashok Kumar, B, Kamaraj, N & Subasri, CK 2014,'Voltage control of fixed speed wind farm under unbalanced grid faults using STATCOM', Proceedings of international conference ICAEES
- [18] Ashok Kumar, B, Kamaraj, N & Subasri, CK 2014, 'Sensitive load voltage compensation against voltage disturbances and harmonics using dynamic voltage restorer', Proceedings of Power Electronics and Renewable Energy Systems- ICPERES, P. 29.
- [19] Arun Prakash,R, Ashok Kumar ,B, Senthilrani,S,' Non Destructive Measurements for Fault Identification of Emergency Diesel Engine in Nuclear Power Plant',2013 Proceedings of international conference on power and energy systems (ICPES 13), p- 24

National Level

- [1] B. Ashok Kumar, M. Natarajan, S. Senthirani "Design & Fabrication of Automatic Inspection Unit for Timing Pulley in Quality Control", Proceedings of National Seminar on Energy and Earth (NSEE-19) organized by Harcourt Butler Technical University, Kanpur, Uttar Pradesh, India. pp 8-9
- [2] P.Gayathri, Dr B.Ashok kumar Dr,S.Senthilrani,' Control of DC Link Voltage of Single Phase Grid Connected Solar PV System'2018, Proceedings of IEEE Sponsored Sixth National Power Engineering Conference NPEC-18, pp. 140-146
- [3] M.A.J.Priya Dr B.Ashok kumar Dr,S.Senthilrani,' Phase Locked Loop for controlling inverter interfaced with grid connected solar PV System',2018, Proceedings of IEEE Sponsored Sixth National Power Engineering Conference NPEC-18, pp. 147-153.
- [4] Ashok Kumar,B, G. Mohan Muralikrishna, M. Srinivasa Venkatesh, 'Control of single phase photovoltaic grid connected system for residencial applications in rural

areas', 2014, Proceedings of National conference on Renewable Energy Innovations for Rural Development REIRD, P-65

- [5] Ashok Kumar, B, Kamaraj, N & Subasri, CK 2014, 'Harmonic reduction in Wind farm using DVR based ANFIS', Proceedings of National conference on Renewable Energy Innovations for Rural Development REIRD p-48
- [6] Ashok Kumar, B, Kamaraj, N & Senthilrani, S 2013, 'Design and installation of passive filter for power quality improvement', Proceedings of Fourth National Power Engineering Conference, pp. 11-19.
- [7] Ashok Kumar, B, Kamaraj, N & Arun Kumar, V 2010, 'Improvement of power quality by harmonic suppression in non linear loads using dynamic voltage restorer', Proceedings of Third National Power Engineering Conference, pp. 219-223.
- [8] Ashok kumar, B, 2006, 'Design of Functional Blocks of 32 bit RISC Processor', Proceedings of National Level Conference at SSCET, Palani

Funded Projects:

Sl.NO	Name of the Agency	Amount
1.	FILENO.SSY/2017/001655 SCIENCE & ENGINEERING RESEARCH BOARD(SERB) (a statutory body of the Department of Science & Technology, government of India)	1 Lakh
2.	No.TCE/Dean (R&D)/AICTE-QIP/STC/2018-19/188 Dt 08.11.2018 AICTE QIP Sponsored STC on "Energy Storage Applications"	4.5 Lakh
3.	Asian Power Quality Initiative (APQI) and International Copper Association India Sponsored one day workshop on "Power Quality Application Note for HT Industries"	Actual Expenses
4.	Short-term Course on "Emerging Technological Challenges in Electric Vehicle (EV) System-National Mission on Power Electronics Technology Phase-III (NaMPET-III).	2.65 Lakh
5.	Study of Power Quality in Residential System- International Copper Association India	50000

Seminar, Workshop Attended:

[1]	Attended STC on "Research Oriented Project Work", CDC department of NITTTR Chandigarh, 11-05-2020 to 15-05-2020
[2]	Attended 4 days Faculty Development Programme on " Electric Vehicle Technologies", organized by IEEE Madras section 06-05-2020 to 09-05-2020
[3]	Attended 5 days Faculty Development Programme on " Advanced Controller Design for Power Electronic Converters" by dept of EEE of MEC, 02-05-2020 to 04-05-2020
[4]	Attended 5 days Faculty Development Programme on" Technological Advancement in Power System Control,Power Controllers,Drives & E-Vehicles-TAPPAD 2020" by Dept, of EEE of DRNGPIT, 27-04-2020 to 01-05-2020
[5]	Attended 5 days Faculty Development Programme on " Recent Trends in Biomedical Engineering -Research Perspective" Organized by Dr.NGP in association with MHRD-IIC and IQAC, 26-04-2020 to 30-04-2020
[6]	Attended Two day Faculty Development Programme on "Virtual Learning" conducted by CIT,TLC, 20-04-2020 to 21-04-2020
[7]	Attended six week online course on “ Life Skills for Engineers (Level 1)” Organized by Common Wealth Education Media Centre for Asia (CEMCA) and University of Hyderabad from January 1 to February 13, 2020
[8]	Participated three days AICTE NPTEL FDP on “Selection Of Nanomaterials For Energy Harvesting And Storage” July-August 2019
[9]	Participated three days “PUMP Hands-On Training Workshop on Power Electronic Converters and Emulators for Solar PV”, March 25 - 27, 2019, IITB Bombay
[10]	Attended TEQIP III sponsored Short Term Course on “ Recent Trends in Electric Vehicles” TCE Madurai during 06-08 December, 2018
[11]	Attended TEQIP III sponsored Two day workshop on “ Data Analytics using R Programming” TCE Madurai during 23-24 November, 2018
[12]	Attended one day workshop on “ Mentoring Skills ” at TCE Madurai during 02, Nov, 2018
[13]	Attended TEQIP II sponsored one day workshop on “ Myths and Realities of R&D and IPR at EEEs: Issues, Challenges and Opportunities ” TCE Madurai during 13 July, 2018
[14]	Attended international Workshop on “Wind & Solar Forecasting and RE Integration into the grid” organized by IWPA jointly with TNEB and NIWE at Chennai during January 22 to 23, 2018
[15]	Attended one day workshop on” Outcome Based Education(OBE): National & International Accreditation” organized by TCE Madurai in association with IUCEE during January 7, 2018.
[16]	Attended training program AICTE Sponsored two week short term course on “Industrial Automation” organized by Mechatronics Department at TCE Madurai during November 20 to December 3, 2017.
[17]	Attended one day IEEE MINI POCO IEEE Madras Section at TCE Anna University , Chennai during October, 29 2017
[18]	Attended TEQIP III sponsored one day workshop on “ Awareness on UG Self Assessment Report (SAR) of NBA” organized by planning and development division, TCE Madurai during 13 October, 2017

[19]	Attended three day FDP organized by PMO-IEDP at TCE Madurai during August 10 to 12, 2017
[20]	Attended "Engineering Education & Research Seminar" conducted by National Instruments at TCE Madurai during March, 30 2017
[21]	Attended training program on "Solar Photo Voltaic Power Generation: Design, Installation & Challenges" Conducted by National Productivity Council(NPC) at Chennai during March 20 to 24, 2017
[22]	Attended TEQIP II Sponsored Workshop on "White LED's for 21 st century lighting systems" at TCE Madurai during March, 9 2017
[23]	Attended two day workshop on " Power Quality challenges with RE integration in SMART grid" at CPRI Bangalore during February 23 & 24, 2017
[24]	Undergone Faculty Internship on "Power Distribution and Energy Management Practice" at TVS Motor Company , Hosur during January 17 to 19, 2017
[25]	Undergone training on "High Speed Reconfigurable Power Electronics Controller(HSRPEC) at CDAC(T) during December 20 to 22, 2016
[26]	Attended short term course on " Applications of Power Electronics to Renewable Energy(APERE-2k16)" at NIT Goa during May 12 to 14, 2016
[27]	Attended FDP on " Learning Improvement Techniques" at IIT Chennai during April 21 to 23 , 2016
[28]	Attended TEQIP Sponsored one day workshop on " Role of Thermal Imagers in Research, Operation and Maintenance" at TCE Madurai during March 24, 2016
[29]	Attended TEQIP Sponsored one day workshop on " dSpace – Real Time Systems" at TCE Madurai on March 23, 2016
[30]	Attended TEQIP Sponsored two day workshop on " Evolutionary Optimization Algorithms and Applications" at TCE Madurai during March 4 & 5,2016
[31]	Attended TEQIP Sponsored Workshop on "Industrial Automation" at TCE Madurai during January 8 & 9 ,2016
[32]	Attended two day Seminar on "Challenges in Grid Connected Renewable Energy Systems" at MEPCO Schlenk Engineering College during June 25 & 26, 2015
[33]	Attended TEQIP Sponsored Workshop on "Good Learning" at TCE Madurai during June 2 to 4, 2015
[34]	Attended AICTE Sponsored FDP on " Harmonics and Power Quality- Contemporary Issues solutions" at TCE Madurai during April 22 to May 5 , 2015
[35]	Attended AICTE Sponsored FDP on " Application of FACTS controllers in Power System Problems" at TCE Madurai during April 6 to 19, 2015
[36]	Attended "Engineering Faculty Workshop" Mission 10X at TCE Madurai during December 15 to 17, 2014
[37]	Attended TEQIP Sponsored FDP on " Designing Engineering Education Research Studies" at TCE Madurai during August 20 to 22, 2014
[38]	Attended TEQIP Sponsored one day workshop on " Design and Development of Hybrid Generation Systems- A Practical approach" at TCE Madurai during March 15, 2014
[39]	Attended ISTE Workshop on "Curriculum Development and Evaluation" at TCE Madurai during March 5 to 7, 2014

[40]	Attended TEQIP Sponsored FDP on " Research Issues and Emerging Trends in Control System Engineering" at TCE Madurai during February 14to 15, 2014
[41]	Attended TEQIP Sponsored workshop on “Design and Development of FACTS Controller” at TCE Madurai during January 31 to February & 1, 2014
[42]	Attended TEQIP Sponsored FDP on" Power Quality Issues in Contemporary and Future Power Networks" at TCE Madurai during November 27 to December 3,2013
[43]	Attended TEQIP Sponsored FDP on "Smart Grid Technologies-Issues and Challenges" at TCE Madurai during October 18 & 19, 2013
[44]	Attended training program on "Power Quality & Harmonics Mitigation" at PSTI Bangalore during August 5 to 8, 2013
[45]	Attended “REENERGY 2013” at Chennai during May 9-11, 2013
[46]	Attended FDP on “ Research Methodologies” at VCET, Madurai during March 12 to 14, 2013
[47]	Attended national level workshop on " Renewable Energy Technologies" at Kathir College of Engineering, Coimbatore during December 14 to 20, 2012
[48]	Attended two day ISTE Workshop on " Aakash for Education" at TCE Madurai during November 10 & 11, 2012
[49]	Attended one day Seminar on “ Energy Management and Power Quality” at Kalasalingam University during July 20, 2012
[50]	Attended a workshop on “MATLAB and SIMULINK for Engineering Education” at Chennai during September 11, 2009
[51]	Attended “NI DAQ Conference” at Madurai during October 6, 2009
[52]	Attended two day workshop on “Power Quality and Energy Management Perspectives in Indian Industries” at CIT, Coimbatore during July 24 & 25 July, 2009

Seminar, Conference, Workshop Organized

[1]	Organized (Co-coordinator) for AICTE- ATAL sponsored one week Online Faculty Development Program on “ Internet of Things (IoT) Application in Smart Grid ” , 19-10-2020 to 23-10-2020
[2]	Organized (Coordinator) Webinar on " Energy Management in Educational Institutions " , 29-05-2020 to 30-05-2020
[3]	Organized (Coordinator) Asian Power Quality Initiative (APQI) Sponsored one day workshop on " Power Quality Application Note for HT Industries " jointly supported by Southern India Mills Association (SIMA) at TCE Madurai during September 28, 2019
[4]	Organized (Coordinator) AICTE QIP Sponsored one week Short term course on Energy Storage Applications at TCE Madurai during February 18-25, 2019
[5]	Organized (Convener) IEEE (Technically sponsored) National Power Engineering Conference (NPEC-18), Co Sponsored by SERB & TEQIP III at TCE Madurai during March 9-10, 2018
[6]	Organized “Pre-conference Tutorial” as a part of IEEE (Technically sponsored) National Power Engineering Conference (NPEC-18), Co Sponsored by SERB &

	TEQIP III at TCE Madurai during March 8, 2018
[7]	Served as a Organizing Committee member in 5 th International Conference on “Transformations in Engineering Education (ICTIEE 2018) at TCE Madurai during January 7 to 9 , 2018
[8]	Organized TEQIP II Sponsored Two day Colloquium on “Industrial Instrumentation – Present and Future Scenario” at TCE Madurai during March 3 & 4, 2017
[9]	Served as a Organizing Committee member in 4 th International Conference on “MOOCs, Innovation and Technology in Education (MITE 2016) at TCE Madurai on December 9 & 10, 2016
[10]	Organized TEQIP Sponsored two day workshop on “ Enhancing Energy Efficiency in Renewable Energy System” at TCE Madurai during March 18 & 19, 2016
[11]	Organized two day workshop on “Energy Audit & Management” at TCE Madurai during July 17 & 18, 2015
[12]	Organized TEQIP Sponsored two day workshop on “Energy Audit & Management” at TCE Madurai during January 24 & 25, 2014
[13]	Organized TEQIP Sponsored two day workshop on “ Harmonic Reduction and Management of Reactive Power and Energy for HT Industries” at TCE Madurai during October 11 & 12, 2013
[14]	Organized two day workshop cum Exhibition on “ Solar PV Technologies and Power Generation” at TCE Madurai during January 19 & 20, 2013
[15]	Organized one day workshop on “Harmonics & Power Quality issues in Industries” at TCE Madurai during November 3, 2012

Industry supported courses organized:

Sl. No.	Course title	Industry Name
[1]	Design of Power Supplies	Power Electronics Group, CDAC (Tiruvananthapuram)
[2]	Electrical Substation Engineering	Dynamic Brown Skills Inc, Coimbatore
[3]	Power Quality in Industries	Dynamic Brown Skills Inc, Coimbatore
[4]	Safety Engineering	TISCO, Jamshedpur
[5]	Solar Power Plant	Schneider Electric, Bangalore
[6]	Substation Automation	ALSTOM, Chennai
[7]	Lead Acid Battery Technology	I bat Technologies, Bangalore
[8]	Applications of Siemens Drives in Industrial Drives and Automation	R S PControl Projects Pvt Ltd, Chennai

Guest Lectures Organized:

Sl.No	Title	Company	Date
[1]	Indian Wind Energy an Opportunities and Challenges	Windsim, India	20.07.18
[2]	Embedded Systems and Communication Protocols	Texas Instruments Inc, Houston, (Texas), USA	21.09.17
[3]	Energy Storage and its importance for Grid Stability	Wartsila, Chennai	09.11.18

Special / Invited Lectures Delivered:

Sl. No.	Topic	Delivered at	Date(s)	Specify event
[1]	Solar PV System-Terminologies, Configurations and Applications	Webinar	09.05.2020	Guest Lecture
[2]	Analog meters & Application of Timer IC	VCET, Madurai	03.03.2020	Guest Lecture
[3]	Design of Solar PV System- An Overview	Mahindra Engineering College, Namakkal	31.01.2020	Guest Lecture
[4]	Solar Power System-Terminologies & Design Considerations	Thiagarajar College of Engineering, Madurai	11.12.19	Student Internship
[5]	Introduction to Power Quality	Thiagarajar College of Engineering, Madurai	28.09.19	PQ Application Note for HT Industries
[6]	Sensors & Transducers	Mangayarkarasi College of Engineering	07.09.19	Guest Lecture
[7]	Applications of Temperature and Pressure Transducers	VCET, Madurai	23.08.19	Guest Lecture
[8]	An Overview to Electrical Safety and its Significance	Mahindra Engineering College, Namakkal	13.02.19	Guest Lecture
[9]	Special IC's (Timer, VCO, PLL)	VCET, Madurai	06.02.19	Guest Lecture
[10]	Electrical Safety	VCET, Madurai	10.01.19	Guest Lecture

[11]	Bio-potential Electrodes and its applications	VCET, Madurai	16.08.18	Guest Lecture
[12]	Smart Home(Automation Perspective)	VCET, Madurai	01.02.18	Guest Lecture
[13]	Steel Plant Instrumentation	Mahindra Engineering College, Namakkal	26.07.17	Guest Lecture
[14]	Electric Supply System- An Overview	APPM, Palani	30.08.13	Guest Lecture
[15]	Transducer Engineering	KLN Polytechnic, Madurai	10.02.10	Guest Lecture
[16]	Electron Devices	VCET , Madurai	23.03.10	Guest Lecture
[17]	Microprocessors	VCET, Madurai	31.03.10	Guest Lecture
[18]	Transducers	VCET, Madurai	06.10.10	Guest Lecture

Certification Courses:

Sl.No	Course Name	Agency	Grade
[1]	Outcome based pedagogic principle for effective teaching	NPTEL (IIT Kharagpur)	75% (Elite)
[2]	Product Design and Innovation	NPTEL (IIT Guwahati)	68% (Elite)
[3]	Student Assessment and Evaluation	SWAYAM	Participated
[4]	Teaching And Learning in Engineering (TALE)	NPTEL (IISC Bangalore)	82% (Elite+Silver)
[5]	Selection Of Nanomaterials For Energy Harvesting And Storage	NPTEL (SWAYAM)	72% (Elite)
[6]	LifeSkills for Engineers – Level 1	SWAYAM CEMCA & Osmania University	Distinction
[7]	Digital Pedagogy Training	National Project Implementation Unit (NPIU), Delhi	

[8]	Successfully Completed online MOOC course on "LifeSkills for Engineers (Level 2)" conducted	Commonwealth Educational Media Centre for Asia (CEMCA) and the University of Hyderabad (UOH)	Distinction
[9]	Successfully Completed online course on " Using Open Educational Resources for Online Learning: an Introduction"	The Pacific Centre for Flexible and Open Learning for Development (PACFOLD) and the Commonwealth of Learning (COL)	Distinction

Professional Membership

Sl. No	Professional Body	Membership No
[1]	The Institute of Electrical and Electronic Engineers (IEEE)	95177801
[2]	Institute for Engineering Research and Publication	PMIN50876321

Guided Projects:

Post Graduate

[1]	Control of DC Link Voltage of Single Phase Grid Connected Solar PV System	2017-2018
[2]	Phase Locked Loop for controlling inverter interfaced with grid connected solar PV System	2017-2018
[3]	Design and Control of standalone Wind Energy conversion system	2016-2017
[4]	Design and Analysis of Solar PV Module	2016-2017
[5]	Design and analysis of hybrid renewable energy for solar and wind energy systems	2015-2016

[6]	Control and fault diagnosis of wind energy conversion system	2015-2016
[7]	Hardware development and analysis of fuzzy logic based mppt for pv system	2013-2014
[8]	Maximum power point tracking of photovoltaic system using fuzzy gain scheduling pid controller	2013-2014
[9]	Power quality improvement in grid integrated wind energy system	2014-2015

Industry Projects:

[1]	Diagnostic method based on the analysis of vibration and acoustic emission energy for emergency diesel generators in nuclear power plant using anfis	2013-2014
[2]	ISFET Based Sensor in Biomedical Application	2014-2015
[3]	Ardino based concrete health monitoring system using semiconductor sensor	2014-2015
[4]	Harmonics mitigation in 3 phase VFD group control using passive filter	2015-2016
[5]	Design and fabrication of automatic inspection unit for time pulley in quality control	2015-2016
[6]	Developing and testing of telematic tracker for DICV vehicles	2016-2017
[7]	Development and Testing of Next Generation Access Points with Wireless LAN Controllers in embedUR systems	2017-2018
[8]	SharePoint Hosted App in JDA Software Pvt. Ltd, Bangalore	2018-2019
[9]	DC Fast Charger For EV Battery Charging (Controller and Communication) in TVS Motor Company Ltd, Hosur	2018-2019