



DEPARTMENT OF ELECTRICAL AND ELECTRONICS ENGINEERING



Name : Dr.S.SIVARAJESWARI

Designation : Associate Professor

Email : siva.eee@sairamit.edu.in

Qualification : Ph.D

Specialization : Power Electronics

Research Interest : Renewable Energy

Experience in years : **Teaching** UG PG Industry

No. of Workshop/Conferences/
FDP attended : Workshop Conferences FDP

No. of Workshop/Conferences/
FDP Organized : Workshop Conferences FDP

Professional Membership	1. Indian society for technical education (ISTE) 2. IEEE
Publications	National :-
	International:5
	Book :-
Research Funded Projects	NIL-
Patents	Design and Development of High Efficient Luo converter with fuzzy logic controller for DC Micro grid 2021
Achievements	1. Received Best young researcher award 2020 from IJMTST
Any Other Information	1. Year Coordinator 2. Power System Simulation lab in-charge 3. Class coordinator 4. Department Innovator

List of Publications:-

Conference:

1. Presented Design and Development of Positive Output Triple Lift Luo Converter for Photo Voltaic System Using Fuzzy Logic Controller in International conference in latest scientific research and technology in Techno publication on 13th september 2014.

2. Paper presented in National Conference organized by SMK Fomra Institute of Technology under the title of "Variable Speed wind Turbine using Fuzzy based MPPT with grid connected PMSG".

3. Paper presented in International Conference on Recent Trends in Engineering and Technology under the title of Novel technique on Improvement of dynamic performance for positive output triple lift Luo converter on 28&29 April 2016

4. Paper presented in International Conference on innovative solution in electrical engineering science under the title of Ambulance Monitoring and Traffic Control On 22nd march 2019.

5. Paper presented in International Conference on sustainability and equity under the title of Ambulance Monitoring and Traffic Control On 22nd march 2019.

6. Paper presented in 4th International Conference on Smart System and Inventive Technology under the title of Design of an automated Recurrent Neural Network for Emotional Intelligence On 22nd January 2022.

7. Paper presented in 12th International Conference on Communication and Informatics under the title of Design of thirteen level Inverter suitable for solar farms On 25-27 January 2022.

International Journal:

1. Published a paper **Smart Electric Train Using Zigbee Transmitter And Receiver** in International Journal of Scientific Engineering and Applied Science (IJSEAS) - Volume-1, Issue-3, June 2015
2. Published a paper Application of Positive Output Triple Lift Luo Converter for Photo Voltaic System Using Fuzzy Logic Controller in **INTERNATIONAL JOURNAL OF SCIENCE, ENGINEERING AND TECHNOLOGY(IJSET)-VOLUME 02 ISSUE 08 NOV- DEC 2014**
3. Published a paper LTE Wireless Access for Monitoring of Energy Distribution in the Smart Grid in **Globaljournal of Advanced Engineering Technology –Vol-V/ issue 3-2016**
4. Published a paper **Novel technique on Improvement of dynamic performance for positive output triple lift Luo converter international journal of Advanced Engineering Technology vol –VII/ issue- 1/jan-march,2016/818/821.**
5. Published a paper **Design and Development of efficient Luo converters for DC micro grid in International journal of electrical engineering education. DOI:IO:1177/0020720919845152. May 2019.**
6. Published a paper Attitudinal Changes due to unanticipated Transition to remote work in the Atlantis press International B.V.2022.
7. Published a paper A Machine Learning Approach for human Breath Diagnosis with soft sensors in the COMPUTER AND ELECTRICAL ENGINEERING 2022.
8. Published a paper Design of an Automated Recurrent Neural Network for Emotional Intelligence using deep Neural Networks.IEEE XPLORE Digital Library 2022.
9. Published a paper Design of Thirteen level Inverter suitable for Solar Farms in IEEE XPLORE Digital Library. 2022.

List of Patent :

Design and Development of High Efficient Luo converter with fuzzy logic controller for DC Micro grid-Filed in 2021

Workshop / Conferences / FDP Attended:-

- Attended a Faculty Development Training Programme organized on Transmission and Distribution in GKM College of Engineering and technology on 24th May 2010 to 30th May 2010.
- Attended a Faculty Development Training Programme organized on Application of FACTS in Power Electronics and Power System in Sri Sairam Engineering College on 27th February 2013
- Attended a Faculty Development Training Programme organized by ISTE on Electromagnetic field Theory and Transmission Lines in Sri Sairam Institute of Technology on 25 & 26 June 2015
- Attended a Faculty Development Training Programme approved by Anna University on High Voltage Engineering in St. Joseph's Institute of Technology from 1.6.16 to 8.6.16
- Attended a Faculty Development Training Programme organized on Electromagnetic Theory and control systems in SreeSastha Institute of Engineering and Technology from 19.6.17 to 21.6.2017
- Attended a FDP on "Power electronics for renewable energy systems" at Tagore Engineering College from 18.1.18 to 21.1.18
- Attended a FDP on Advance power electronics and control in online course NPTEL from Jan to March 2019.
- Attended a FDP on DC micro grid in online course NPTEL from July to Sep 2019.
- Attended a ATAL FDP on power electronic converter and controller for EV and smart grid at IIITDM Kancheepuram from 18.12.2019 to 22.12.19.
- Attended FDP on robotic process automation at Jeppiaar Institute of Technology from 4.5.20 to 6.5.2020.
- Attended FDP on technological advancement in power system control, power controllers, Drives and E-vehicles at Dr.N.G.P Institute of Technology from 27.4.2020 to 1.5.2020
- Attended FDP on recent advancement in HIGH VOLTAGE ENGINEERING at SRM VALLIAMMAI ENGINEERING COLLEGE from 2.11.2020 to 7.11.2020.
- Attended FDP on recent advancement in HIGH VOLTAGE ENGINEERING at SRM VALLIAMMAI ENGINEERING COLLEGE from 3.03.2021 to 9.03.2021.
- Attended a Workshop on T.Q.M in SMK FOMRA Institute of Technology on 15th November 2006.
- Attended a National seminar on Power Quality Issues Problems and Solutions in SMK FOMRA Institute of Technology on 21st December 2012.
- Attended International workshop on alternative energy in SMK FOMRA Institute of Technology on 25th February 2012.
- Attended a National Seminar on current Trends and Future Role of Renewable Energy in Sri Sai Ram Engineering College on 8th and 9th October 2013.
- Attended workshop on Recent Trends in Renewable Energy in Sri Sairam Institute of Technology on 31st March 2015.
- Attended workshop on how to write research papers for refereed journals in Sri Sairam Institute of Technology on 24th January 2015.
- Attended National level Workshop on Glimpses on effective Research and proposal Writing in at St. Joseph's Institute of Technology on 20th October 2016.

- Attended a workshop on “Design and implementation of grid integrated solar PV System with research perspective” at St.Joseph’s Institute of technology from 24.11.17 to 27.11.17.
- Attended workshop on “Conceptual practices of Iot& AI for engineering applications” at St.Joseph’s Institute of technology on 4.5.18 and 5.5.18.
- Attended a workshop on Ideation and Proposal Formulation Workshop at IIT Madras on 9th november 2018.
- Attended workshop on Industry 4.0 at atSt.Joseph’s Institute of technologyfrom 19.11.2018 to 20.11.2018.
- Attended webinar on power system operation and control with MATLAB simulations at CK college of engineering and technology from 21.5.2020 to 23.5.2020
- Attended webinar on The power of teacher conducted by ICT academy on 4.5.2020