



DEPARTMENT OF ELECTRICAL AND ELECTRONICS ENGINEERING



Name : G.EZHILARASI

Designation : Assistant Professor

Email : ezhilarasi.eee@sairamit.edu.in

Qualification : M.E

Specialization : Applied 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	IEEE, ISTE
Publications	National : JOURNAL-7, CONFERENCE- 2
	International:JOURNAL- 4,CONFERENCE-1
	NIL
Research Funded Projects	-
Patents	NIL
Achievements	<ol style="list-style-type: none"> 1. Received Rs. 2,000 Cash Award from Sri Sairam Institute of technology for Producing 100% in “Solid State Drives “ and “Professional Ethics in Engineering” subject . 2. As a Session Chair in ESN International Conference on Multidisciplinary Research and Innovation ICMRI – 2020. 3. Participated and Received Award of honor ESN ICMRI 2020 - WORLD BOOK OF RECORDS CONFERENCE.
Any Other Information	

List of Publications:-

Journals

Papers published in International Journals:

1. D. Lakshmi, S.Baskaran, G. Ezhilarasi, C.Valli,” Direct AC/DC Power Converter Using Auxiliary Circuits” , International Journal of Advanced Science and Technology , Vol. 29, No. 7s, (2020), pp. 785-793,ISSN: 2005-4238.
2. D. Lakshmi, G. Ezhilarasi, S.Baskaran,S.Siva Prasad,” Analysis of Various PWM Schemes For The Design OF Asymmetric Single Phase 31 Level Cascaded Mli”, International Journal of Advanced Science and Technology ,Vol. 29, No. 4s, (2020), pp.1050-1066,ISSN: 2005-4238.

National Journal:

1. S. Amirtharaj, D. Lakshmi, G. Jegadeeswari, G. Ezhilarasi, “Performance Of A Photovoltaic Luo-Converter With Multiple-Lift Push-Pull Switched Capacitors”, International Journal of Aquatic Science Vol 12, Issue 03, 2021 pp350-357 (WOS)
2. S. Baskaran, D. Lakshmi, R. Zahira and G. Ezhilarasi, “Hybrid Solar System Using Mppt Algorithm For Smart DC House”, International Journal of Pure and Applied Mathematics, Volume 118 , No. 10 Feb 2018, pp 409-417(Scopus Indexed).
3. S.Benisha, D.Lakshmi , R. Zahira and G. Ezhilarasi, “Dc – Dc Converter Integrated With Voltage Multiplier For High Voltage Gain”, International Journal Of Advanced Research Trends In Engineering And Technology (IJARTET), Volume 5, Special Issue 6, February 2018.(UGC Journal) .
4. D.Lakshmi, S.Benisha, S.Baskaran and G.Ezhilarasi(2017) “A Particle Swarm Optimization Based Load Frequency Control For A Deregulated Power System”, International Journal of Scientific Research and Review ,Vol 6, No 11 pp , 15-22.(UGC Journal) .
5. D.Lakshmi, G.Ezhilarasi and R.Zahira “ Optimization of Unit Commitment using Ant colony Algorithm”, Australian Journal of Basic and Applied Science , Feb 2016, Vol 10, Issue 1 pp 709-714.
6. D. Lakshmi, G. Ezhilarasi, R. Zahira and V. Balaji(2016), “Design and Optimization of Battery Voltage Source to Use with PMDC Motor”, Middle-East Journal of Scientific Research 24 (3),): Vol 24, issue 3, pp 955-961.

Conferences

Papers published in International Conferences:

1. D. Lakshmi, R.Zahira, C.N.Ravi, G. Ezhilarasi,” Flower Pollination Algorithm in DPS Integrated DFIG for Controlling Load Frequency” Published in 2020 International Conference on Power, Energy, Control and Transmission Systems added to IEEE Xplore DOI 10 1109/ICPECTS49113.2020.9337017,ISBN: 978-1-7281-1101-8.

Papers published in National Conferences: NIL

1. List of Patent : NIL

Workshop / Conferences / FDP Attended:-

1. 3 days online FDP in Recent technological development in Electric Vehicle (EV) System and its Applications in Defence in 2021.
2. Attended online one month Innovation Ambassador training (Advanced Level)” conducted by MoE's Innovation Cell & AICTE in 2021.
3. Attended one day online workshop on “Rapid Software Development with Labview” in VIT 2020.
4. Attended one day online workshop on “Robotics and IoT ” VIT in 2020.
5. Attended six days online FDP on Energy Management Systems in RMD engineering college in 2020
6. Attended one day online FDP on National Level E-Faculty Development Programme on Road Map to get a Quality Patent held in AMET University in 2020.
7. Attended five days online FDP on “Recent Trends in Electrical Engineering” held in Crescent Institute of Science and Technology” in 2020
8. Attended six days online FDP on “ Recent Trends on Renewable Energy and Electric Vehicle Technology” held in Easwari Engineering College” in 2020.
9. Attended one week online Short Term Training Program on “Post Covid Challenges in Teaching Learning” held in Sagar Institute of Research and Technology, Bhopal in 2020.
10. Attended Six Days Online Short Term Training Programme on "Mitigation of Power Quality Issues in Distributed Generation Systems using Custom Power Devices-III" held in RMD Engineering College in 2020

11. Attended AICTE Training And Learning (ATAL) Academy Online FDP on "Energy Engineering" at GANDHI INSTITUTE FOR EDUCATION AND TECHNOLOGY ,BANIATANGI. In 2020
12. Attended AICTE Training And Learning (ATAL) Academy Online FDP on "Internet of Things (IoT)" at Sri Sairam Institute of Technology in 2020.

Workshop / Conferences / FDP Organized:-

1. Organized online webinar on “Electrical Energy Conservation and Management in Process Industry” in December 2020.
2. Organized online webinar on “IoT opportunities and Startups” in September 2021.
3. Organized Regional outreach program for school to emphasize hacking fundamentals via interactive media “ Byte Reach” Cyber club in April 2021.
4. Organized online webinar on “Distributed Generation and Power Quality” in February 2021.
5. Organized online webinar on “Electrical Energy Conservation ” in December 2020.
6. Organized online webinar on “Essentials of Cyber Security and Job opportunities in cyber club February 2021.
7. Organized online webinar on “Alternative energy Solar and Solar PV ” in November 2020.
8. Organized online webinar on “Demystifying Cyber Security” in Cyber Club in November 2020.