

FACULTY PROFILE

Name of the faculty	Dr. Madhavi Dasari
Designation	ASSISTANT PROFESSOR
Contact Number	8050820295
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Educational Qualification

Degree	Specialization	University	Year of Passing
Ph.D	PV Systems with AI	VTU	2023
M.TECH	Power Electronics	JNTU	2011
B.E	EEE	VTU	2004

Work Experience

Teaching	Research	Industry
4.5 Years	6.5 Years	1 Year

Publications

National/International Journals	National/International Conferences	Books Authored/Edited
6	8	NIL

Area of Interest

- Artificial Intelligence
- Machine Learning
- Computer Networks

Membership in Professional Bodies/University Bodies/Organization

- **LMISTE**
- **IEI**

Publications

National/International Journals

1. Madhavi Dasari ,“ UPQC Based Power Quality Improvement of Solar Photovoltaic Systems Using ANFIS and MFA” in Neuroquantology, (Scopus Indexed Journal), Volume-20, Issue-14, October 2022, ISSN: 1303-5150, doi: 10.5281/zenodo.7497176.
2. Madhavi Dasari, “Analysis and Comparison of UPQC Based on Neuro Fuzzy Based SVPWM Controller” in Gongcheng Kexue yu Jishu/Advanced Engineering Science (Scopus Indexed Journal) (ISSN: 2096-3246).
3. Madhavi Dasari, “UPQC-S PV Array System for Power Enhancement” in Journal of Green Engineering, (Scopus Indexed Journal) Volume-9, Issue-4, December-2019.
4. Madhavi Dasari, “Constructing PV array and Power calculation using ANFIS controller based MTPP” in Journal of Advanced Research in Dynamical and Control Systems, (Scopus Indexed Journal) Volume-1 ,Issue-13, June-2019.
5. Madhavi Dasari, “Evaluation of Grid-Connected PV System for Enhancement of Power Quality of Intelligent Controller”, Journal of Emerging Technologies and Innovative Research (JETIR), Volume-05, Issue-11,2018, Pg.28, e-ISSN(2349-5162).
6. Madhavi Dasari, “Improvement of Power Quality by Intelligent Controller for Grid Connected PV System”, in International Journal of Technical Innovation in Modern Engineering & Science (IJTIMES), Volume-04, Issue-7, July-2018, Pg.776-785, e-ISSN(2455-2585).
7. “Development of PQ with Solar PV Integrated Unified PQ Conditioner” in the 4th IEEE International Conference on Electrical, Electronics, Communication, Computer Technologies and Optimization Techniques (ICEECCOT-2019) organized by GSSS Institute of Engineering & Technology for Women, Mysuru in association with IEEE Bangalore Section on 13th & 14th December 2019.
8. “Constructing PV array and Power calculation using ANFIS controller based MTPP” in the “9th International Conference on Recent Engineering and Technology in association with New Horizon College of Engineering and sponsored by IEEE on 5th May 2019.
9. “A Hybrid Anti-Islanding Protection Scheme for VSM based DG Inverter” in the National Conference on Science, Engineering and Management NCSEM-2K22”organized by The Oxford College of Engineering, Bengaluru on 7thJuly 2022.
10. “Implementation of partial shading conditions of solar PV array Modelling and Analysis” in the National

11. “National Conference on Recent Developments in Power Engineering-2015” at SVCE, Bangalore on “Performance Implementation of Slip Power Recovery of Induction Motor using Three-Level Converters”.
12. “National Conference on Recent Developments in Power Engineering-2015” at SVCE, Bangalore on “Low Cost Automatic Speech Recognition Vehicle for Paraplegic persons”.
13. Presented a paper in the “National Conference on Recent Trends in Power Electronics and Industrial Drives PEID-2014” at INFO College of Engineering, Coimbatore on “a Cascaded H-Bridge Multilevel Inverter Topology for Induction Motor Drive.”
14. Presented a paper in the “National Conference on Recent Trends in Electrical Engineering RTEE-2013” at SIT, Tumkur on “Modulation and Control Strategies of Matrix Converter”.

Faculty Development Programme Participated

- Attended two days Faculty Development Program on “Recent Issues & Emerging Trends in Power Engineering” at SVCE during 21st & 22nd January 2016.
- Attended five days Faculty Development Program on “Challenges and Advances in Electrical Power Engineering” at SVCE during 15th to 19th July 2014.
- Attended one week Faculty Development Program on “Energy Prospects and Challenges” at SVCE during 20th to 25th January 2014.

Workshop Attended:

- Attended two days Hands-on Workshop on “Matlab/Simulink for Engineering Applications” at SVCE during 12th & 13th February 2016.
- Attended two days Workshop on “Recent Advances in Electrical Engineering” at SVCE during 28th and 29th March 2014.
- Attended three days Workshop on “Modelling and Simulation using MATLAB and SIMULINK” at SVCE during 15th to 17th February 2013.

Awards/Recognition/Achievement/Others

- IEEE Reviewer 2023
- Innovation & Design Thinking Opportunities through IEEE Explore, First Prize in Technical Quiz Competition.
- Filed and Published a **PATENT** with Title “Power Quality Enhancement of Grid Connected PV System Using Intelligent Controller”, Application Number: 202241021212.