

# K.Sudha

**Areas of Interest:** Power Electronics, Control Systems, Renewable Energy Systems

## Education

- Pursing Ph.D in NIT, Warangal
- ME (PED) Anna University, Chennai
- BE (EEE) Anna University, Chennai

## Academic/Industrial Experience

1. Assistant Professor, Electrical Engineering, GRIET, Hyderabad, 2014 - till now
2. Assistant Professor, Electrical Engineering, BIET Hyderabad, 2011 - 2014
3. Assistant Professor, Electrical Engineering, SRIT Coimbatore, 2008 - 2010

## Selected Publications

1. **K.Sudha**, D Raveendhra, B. L Narasimha Raju, “*Efficient Single-Phase Grid Connected Transformer - less Inverter with Active and Reactive Power Control*”, 2nd International Conference on Sustainable Energy and Future Electric transportation (SEFET) 2022, 10th October 2022. (Indexed in SCOPUS)
2. **K.Sudha**, D Raveendhra, B. L Narasimha Raju, “*Single-Phase H6 Inverter with Hybrid Modulation Scheme for Solar PV application*”, 2nd International Conference on Sustainable Energy and Future Electric transportation (SEFET) 2022, 10th October 2022. (Indexed in SCOPUS)
3. Sravani Jegiryala, **Sudha Kalathi**, Dr. Dola Gobinda Padhan, “Design and Analysis of Controller for Load Frequency Control of Interconnected Power System”, International Conference on Systemics, Cybernetics and Informatics on 2017-03-09
4. B. Navya Sree, **K.Sudha**, U. Madhuri, “Fault current limiter in single phase and three phase lines for compensating voltage sag”, International Journal of Electrical and Electronics Engineers IJEEE, Volume 07, Issue 01, Jan- June 2015.

## Workshops Conducted/Attended

1. Attended “Faculty Development Program on” IoT and Embedded system Design using NI LabVIEW” Organised by BVRIT, Hyderabad held on 18/12/2017 to 22/12/2017.
2. Attended “Saptahaant Shikshak Prashikshan on Introduction to Machine Learning” - Two days weekend training program Organised by GRIET, Hyderabad held on 16/12/2017 to 17/12/2017
3. Attended” Two week ISTE workshop on E electric power system by IIT Kharagpur Organised by GRIET, Hyderabad held on 12/06/2017 to 15/07/2017
4. Attended Faculty development program “FDPICT001x Use of ICT in Education for online and Blended Learning” Organised by GRIET, Hyderabad held on 02/05/2016 to 10/08/2016
5. Attended “ET601Tx: Educational Technology for Engineering Teachers “ Organised by GRIET, Hyderabad held on 07/01/2016 to 02/03/2016
6. Attended Seminar on “NI LabVIEW core1 and Core2” Organised by GRIET, Hyderabad held on 04/01/2016 to 08/01/2016
7. Attended “ISTE Workshop on Control Systems by IIT, Kharagpur “ Organised by GRIET, Hyderabad held on 02/12/2015 to 12/12/2015
8. Attended workshop on “Recent and Future Trends in High voltage Technology” Organised by Vasavi College of Engineering, Hyderabad held on 19/09/2015
9. Attended “TI C2000MCU for Real - Time Control Applications” Organised by GRIET, Hyderabad held on 11/08/2015 to 12/08/2015.