

## FACULTY PROFILE

**Name:** Dr. K. MANJUNATH

**Designation:** Assistant Professor

**Teaching Areas:** Power systems, Control systems, Electrical machines

**Research Interests:** Stability analysis and control of Microgrid, Energy management, Microgrid, VSC based reactive power compensation in unbalanced systems



### Education:

- PhD, Electrical Engineering, Indian Institute of Technology Hyderabad (IITH), Kandi, 2017
- M. E, Bengal Engineering and Science University (currently IEST) Shibpur, Howrah, 2011
- B. Tech, St. John's College of Engineering and Technology, Yemmiganur, 2009

### Professional Experience (Total: Inclusive of Teaching and Industrial)

2016-2017: Sr. Assistant Professor, Madanapalle Institute of Technology and Science, Madanapalle

### Research / Selected Publications:

1. M. Kallamadi and V. Sarkar, "Enhanced real-time power balancing of an AC microgrid through transiently coupled droop control", *IET Gener., Transm., Distrib.*, vol. 11, no. 08, pp. 1933-1942, June 2017.
2. M. Kallamadi and V. Sarkar, "Generalized analytical framework for the stability studies of an AC microgrid", *IET J. Eng.*, vol. 1, no. 1, pp. 1-9, May 2016.
3. K. Manjunath and V. Sarkar, "System level parameter tuning of an islanded microgrid with improved computational efficiency," in *Proc. IEEE Int. Conf. Power and Energy Syst: Towards Sustain. Energy (PESTSE 2016)*, Jan. 21-23, 2016.
4. P. B. S. Kiran, K. Manjunath, and V. Sarkar, "Limited power control of a single-stage grid connected photovoltaic system," in *Proc. Annual IEEE India Conf. (INDICON 2015)*, Dec. 17-20, 2015.