

Detailed Bio-data

Dr. Lokesh Vankudoth, born in Warangal, Telangana, India, in 1992, received the B.Tech. degree in Electrical and Electronics Engineering from Kakatiya University College of Engineering and Technology, Warangal, in 2013, and the M.Tech, degree in Integrated Power Systems from Visvesvaraya National Institute of Technology (VNIT), Nagpur in 2017. He has been awarded Ph.D. degree in the Department of Electrical Engineering, National Institute of Technology Warangal in 2024. He is currently serving as Assistant Professor, Grade-II in the Department of Electrical Engineering, MANIT Bhopal. His areas of research interests include Networked Microgrids, Renewable Energy Systems, Energy Storage Systems, Demand Response, Smart Grids, Energy Management, and Energy Markets.

IEEE Conferences:

- [1] **Lokesh Vankudoth** and Altaf Q. H. Badar, “Distribution Network Optimization through Siting and Sizing of BESS,” in 2019 **8th International Conference on Power Systems (ICPS)**. IEEE, 2019, pp. 1–5.
- [2] **Lokesh Vankudoth**, Altaf Q. H. Badar, Rajeev Kumar Chauhan, and M. J. Hossain, “Economic Analysis of Energy Scheduling and Trading in Multiple-Microgrids Environment,” in Proc. 2021 **XVIII International Scientific Technical Conference Alternating Current Electric Drives (ACED)**, 2021, pp. 1–6.

IEEE Conferences (in collaboration)

- [3] Md Rashid Equabal, **Lokesh Vankudoth**, and Altaf Q. H. Badar, “Demand Response Management in Day Ahead Market for Optimal Energy Trading in VPP Framework using PSO,” in 2021 **2nd International Conference for Emerging Technology (INCET)**, IEEE, 2021, pp. 1–6.

Book Chapters

- [1] **Lokesh Vankudoth** and Altaf Q. H. Badar, “Networked Microgrids,” in **Handbook on Microgrid: Planning to Practices**, CRC Press, Taylor & Francis, 2025, pp. 50–73.