

Biosketch

Faculty Name: Dr. Abhinav Kumar Yadav



Areas of Interest

Renewable Energy, Solar Photovoltaic Energy, VLSI Design, Power Electronics

Education

- Ph.D., Pandit Deendayal Petroleum University, Gandhinagar
- BE, Anna University, Madras.

Academic/Industrial Experience

1. Assistant Professor, EC Engineering, BBEETM, 2019-Present
2. Assistant Professor, EC Engineering, Marwaa University, 2018-2019
3. Assistant Professor, EC Engineering, SITRC, Nashik, 2016-2017

Selected Publications

- Abhinav Kumar Yadav, Gaganpringsh Khanduja Hybrid solar photovoltaic and fuel cell power sharing using feedback controlled dc/dc converter, IEEE (Under Review-SCOPUS) (JOURNAL, Feb-2020)
- Abhinav Kumar Yadav, Ashish Ray, Makarand M. Lakhonde, Low-Voltage DC Microgrid Network: A Case Study for Standalone System, International Journal of Renewable Energy Research, Vol.7, No.3, 2017. (Inpress/Indexed)
- Harl Sankar Mishra, Abhinav Kumar Yadav, Ashish Ray, Simulation of BPV effect in In-doped c-Si with optimized In-dium concentration and layer thickness, Physica B, 496 2011, (SCI Indexed Journal).
- Abhinav Kumar Yadav, Vishal Mehra, Ashish Ray, Anil Akaranka, Makarand Lakhonde Parallel DC Boost converters with feedback control using PSO optimization technique for photovoltaic module application, International Journal of computer applications, Vol.84- No.16, Dec.2013, (IJCC Approved Journal).
- Abhinav Kumar Yadav, Pankaj Yadav, Brijesh Tripathi, Makarand Lakhonde, Simulation of parallel DC converter for integrating renewable sources, International Journal of electrical and electronics engineering research, Vol.2, Issue 3, Sep.2012.
- Abhinav Kumar Yadav, Vishal Mehra, Ashish Ray, Makarand Lakhonde, Operation of Parallel DC-DC Converters Taking Into Account Cable Resistances for Load Sharing Applications, International Journal of advances in engineering and technology, Volume 6 Issue 5, pp. 2136-2144, Nov.2013.
- Pratiksha Kapedim, Abhinav Yadav, Priyanka Gurav, Pooja Gurav, "Automatic Vehicle Speed Control System Using Intelligent Electromechanical Mechanism", International Journal of Engineering Applied Sciences and Technology, Volume 2, Issue 2, 2016.
- Abhinav Yadav, Sujat Rote, Adarsh Mourya, Tanmay Oak, "Automatic Water Distribution System using PLC", International Journal of Engineering Research & Technology, Volume 6, Issue 4, 2017.