

**Prasanta Kumar Barik,**  
**Asst. Professor,**  
**Department of Mechanical and Electrical Engineering**



***Education***

- Ph.D Continuing at IIT,Dhanbad,Ranchi,(India)
- M.Tech in Power Electronics and Drives, KIIT University,(India)- 2009
- B.E. in Electrical Engineering , Utkal University, (India)- 2005

***Experience***

- Working in CVRCE, Bhubaneswar from 15<sup>th</sup> February 2006 to 11<sup>th</sup> February 2012 as Lecturer,Department of Electrical Engineering.
- Working in ITER, SOA University, Bhubaneswar from 12<sup>th</sup> February 2010 to 30<sup>th</sup> August 2012 as Asst. Professor,Department of Electrical Engineering.
- Working in CAET, OUAT, Bhubaneswar since 31<sup>st</sup> August 2012 as Asst. Professor, Department of Mechanical & Electrical Engineering.

***Courses taught***

- Network Theory (B. Tech.)
- Basic Electrical Engineering (B. Tech.)
- Power Electronics. (B. Tech.)
- Electrical Drives. (B. Tech.)
- Electrical Circuit (B. Tech.)
- Applied Electronics & Instrumentation (B. Tech.)
- Electrical Machines & Power Utilization (B. Tech.)
- Applied Instrumentation (M. Tech.)

***Seminar/Conference /Refresher course Attained***

- Summer Course on, "*Application of Intelligent Techniques to Electrical & Electronics Systems in Matlab/Simulation Techniques using Spice Based Softwares*", IEEE Students Chapter &Department of EEE, Silicon Institute of Technology,Bhubaneswar,10<sup>th</sup> -14<sup>th</sup> June-2013.
- Refresher Course on, "*Power Electronics, Drives and Power Quality Issues*", organized by the Department of Electrical Engineering at N.I.T. Rourkela, 23<sup>rd</sup> – 27<sup>th</sup> December 2013.
- Summer Course on, "MATLAB", organized by CTTC, Bhubaneswar, 15<sup>th</sup> -30<sup>th</sup> June-2015.
- Staff Development Program on , "*Emerging Trends and Challenges in Electric Power System*", organized by the Department of Electrical Engineering at CV Raman college of engineering, Bidyanagar, Janla, Mahura, Bhubaneswar, 18<sup>th</sup> – 23<sup>rd</sup> May-2015
- Faculty Development Program on , "*Present & Future Technologies in Electric Power & Energy Systems*", organized by the Department of Electrical Engineering at CV Raman college of engineering, Bidyanagar, Janla, Mahura, Bhubaneswar, 23<sup>rd</sup> – 28<sup>th</sup> May- 2016.
- Tow-week ISTE STTP on, "Electric Power System", ", organized by the Department of Electrical Engineering Indian Institute of Technology,Kharagpur,10<sup>th</sup> -15<sup>th</sup> July,2017.

## ***Publications***

- S.Samal, **P.K.Barik**, P.K.Hota (2016), “*Reduction of Harmonics by using Three Phase Series Active Power Filter*”, Proceedings of 3<sup>rd</sup> International Conference on Electrical, Electronics, Engineering Trends, Communication, Optimization and Sciences (EEECOS)-2016, **IET Conference**, SASI Institute of technology and Engineering, Tadepalligudem, AP, pp.631-635. (**SCOPUS INDEX**)
- **P.K.Barik**, S.Ray (2016), “*Solar Powered Water Pumping System for Rural Agricultural Application*”, Proceedings of 50<sup>th</sup> Convention of Indian Society of Agricultural Engineers (ISAE) and Symposium on Agricultural Engineering in Nation Building: Contribution and Challenges, ISAE and CAET, OUAT, Bhubaneswar, Paper No. ISAE-2016/ENERGY/SE-07-P, pp.186.
- S.Samal, **P.K.Barik**, P.K.Hota, (2016), “*Harmonics Mitigation by using Shunt Active Power Filter under Different Load Condition.*”, Proceedings of 1st International Conference on Signal Processing, Communication, Power and Embedded system (SCOPEs)-2016, **IEEE Conference**, Centurion University of Technology & Management, Paralakhemundi, Odisha, India. (**SCOPUS INDEX**)
- S.Samal, P.K.Hota, **P.K.Barik**, (2014), “*Comparative Analysis of MPPT Algorithms for Maximum Power Extraction from PV Systems*”, Proceedings of TEQIP-II, Govt. of India Sponsored National Conference on Recent Advances and Innovations in Electrical Engineering (RAIEE-2014), VSSUT, Burla, pp. 18-23

## ***Contact details:***

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