



Gyana Ranjan Biswal, M.Tech.

Designation: Assistant Professor

Department: Department of Electrical and Electronics Engineering
(JOINED THE INSTITUTE IN 2014)

Contact : +919040140469, +917655048588

Email : gyanaranjan.biswal@silicon.ac.in,
gyanavssut@gmail.com

RESEARCH INTERESTS

- ✓ Load Flow Study of Power Systems Network.
- ✓ Control aspects of Micro-Grid.
- ✓ Voltage & Frequency stability of Micro-Grid.
- ✓ Fault Diagnosis of Power Transformers.

Academic Qualifications

Ph. D. (Electrical Engineering) (Continuing), VSSUT, Burla, Odisha, India

M. Tech. (Electrical Engineering), VSSUT, Burla, Odisha, India

Specialisation: Power Electronics Control & Drives (PECD).

Teaching Experience/Industrial Experience/Research Experience

- ✓ Teaching Experience: 8 years
- ✓ Research Experience: 2 years

PUBLICATIONS

JOURNAL & CONFERENCES

- [1]. **G. R. Biswal**, P. K. Hota, "Simulation and Analysis of Power Transformer Winding Faults through V-I Locus Diagram", National Conference on Power, Energy & Control (NCPEC-2014), Book of Proceedings, pp. 1 – 6, Feb 2014.
- [2]. **G. R. Biswal**, B. Mohanty "Voltage Control Method of Isolated Wind Power System", International Conference on Advances in Electrical Control and Signal System (AECSS 2019), Springer Lecture Notes in Electrical Engineering 665, pp. 361 – 371, Jul 2020.
- [3]. N. Swain, S. Mallik, **G. R. Biswal**, "Robust Controller Application to PV Fed CUK Converter for Constant Voltage Regulation: A Review", International Conference on Advances in Electrical Control and Signal System (AECSS 2019), Springer Lecture Notes in Electrical Engineering 665, pp. 167 – 181, Jul 2020.

ANY OTHER

Conference / Seminar /
Workshop /
Short-term course /
Online Course
Attended / Presented

1. Attended "National Seminar on Grid Management" under TEQIP – II, MHRD Govt. of India in 2014 at CET, Bhubaneswar, 30th Jan – 1st Feb 2014.
2. Participated in the NaMPET sponsored Short-Term course on "Power Electronics Systems & Applications 2014" organized by NIT, Rourkela, 4th – 6th Apr 2014.
3. Presented a topic in National Level Conference Recent Advances and Innovations in Electrical Engineering (RAIEE) at VSSUT, Burla, 6th – 7th Apr 2014.
4. Participated in Two-week ISTE workshop on "Control Systems" conducted by IIT, Kharagpur, 2nd – 12th Dec 2014.
5. Participated in a Two-week ISTE STTP on "Pedagogy for Effective use of ICT in Engineering Education" conducted by IIT, Bombay, 5th – 31st Jan 2015.
6. Attended Short-Term/In-house Training Program on "Induction Training (Module-1)" by NITTTR, Kolkata, 1st – 5th Jun 2015.
7. Participated in Two-week ISTE STTP on "Electric Power Systems" conducted by IIT, Kharagpur, 10th – 15th Jul 2017.
8. Attended Short Term Course on "Modelling Analysis & Control of Microgrid (MACMG-2018)" organized by VSSUT, Burla, 25th Jun – 7th Jul 2018.
9. Attended Faculty Development Program on "International workshop on Smart Grid" organized by KIIT University, Bhubaneswar, 26th – 27th Dec 2018.
10. Attended Faculty Development Program on "Modern Electric Power System Networks (MEPSN 2019)" organized by VSSUT, Burla, 5th – 10th Aug 2019.
11. Attended Faculty Development Program on "DC Microgrid" organized by NPTEL-AICTE FDP (Online Course), Jul – Sep 2019.
12. Attended Faculty Development Program on "Introduction of Accreditation Mechanism: NBA Approach" organized by Extension centre of NITTTR, Bhubaneswar, 20th – 24th Jan 2020.
13. Attended Faculty Development Program (Online) on "LaTeX" organized by GCEM, Bengaluru and IIT Bombay Spoken Tutorial, 17th – 30th Apr 2020.
14. Attended Workshop (Online) on "BodhiTree and SAFE Tools" organized by IIT, Bombay, 18th – 20th Jun 2020.
15. Completed Coursera Online Course on "Introduction to the Internet of Things and Embedded Systems" offered by University of California, Irvine from 26th May – 11th Jun 2020.
16. Completed Coursera Online Course on "Electric Power Systems" offered by University at Buffalo and The State University of New York from 15th May – 18th Jun 2020.
17. Attended Short-Term Course (Online) on "Hardware in the Loop Simulation Technology for Rapid Product Design in Electrical Engineering" organized by ATC-EMPI, New Delhi and Quarbz Info Systems, Kanpur, 1st – 13th Jun 2020.
18. Attended Faculty Development Program (Online) on "Challenges and Research Opportunities in Micro grid Operation, Control and Protection" organized by AITM, Andhra Pradesh, 15th – 19th Jun 2020.