



Ms. Sadhna Malik

Name : Sadhna Malik

Designation : Assistant Professor

Department : Department of Electrical & Electronics Engineering
(JOINED THE INSTITUTE IN 2015)

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RESEARCH INTERESTS

Control Systems:

- ✓ Application of soft computing techniques in control systems
- ✓ Intelligent control

Academic Qualifications

M.E. in Control Systems (EEE), Birla Institute of Technology, Mesra, India

B.Tech. (Electrical & Electronics Engineering), Biju Patnaik University of Technology, Odisha, India

Teaching Experience/Industrial Experience/Research Experience

- ✓ August 2015-present
Assistant Professor,
Department of Electrical & Electronics Engineering
Silicon Institute of technology

PUBLICATIONS

CONFERENCES

- [1]. **Sadhna Malik**, Sudhansu Kumar Mishra, "Optimal design of Fuzzy PID controller for Inverted Pendulum system," Artificial Intelligence and Evolutionary Computations in Engineering Systems, pp 1297-1307, AISC, volume 394, International Conference on Communication, Computing and Power Technologies , Chennai, India, 2015.
- [2]. Nibedita Swain, Sadhna Malik, Gyana Ranjan Biswal, "Robust controller Application to PV fed CUK converter for constant voltage regulation: A review" Advances in Electrical Control and Signal Systems , pp 167-181, LNEE, volume

665, 2020.

ANY OTHER

COURSES TAUGHT:

Theory:

- Basic Electrical Engineering
- Network Theory
- Electrical and Electronics Measurement
- Control Systems
- Electrical Machines and Power Devices

Sessionals:

- Basic Electrical laboratory
- Network Theory laboratory
- Electrical and Electronics Measurement laboratory
- Control and Instrumentation laboratory
- Control Systems laboratory