

Suvra Pattanayak

Junior Research Fellow



suvra_p@ee.iitr.ac.in

8637092781

Roorkee, India

EDUCATION

Doctor of Philosophy

Indian Institute of Technology Roorkee

07/2022 - Present

DGPA 8.15

Masters of technology

Netaji Subhash Engineering College

08/2013 - 08/2015

DGPA 8.84

Bachelor of Technology

Calcutta Institute of Engineering and Management

08/2008 - 07/2012

DGPA 7.91

WORK EXPERIENCE

Assistant Professor

JLDEMC

09/2019 - 02/2022

Champahati

Involved in teaching and supervising undergraduate students. Conducting experiments, maintaining laboratories, and conducting investigations.

Achievements/Tasks

- Teaching
- Conducting experiments
- supervising undergraduate students
- Administrative Works

Postgraduate Joint Secretary

Electrical Engineering Student Society IIT Roorkee

07/2023 - Present

Roorkee

Achievements/Tasks

- Organizing event for Postgraduate students
- Interaction with alumni
- Organizing Seminar

Virtual Internship

MathWorks

07/2023 - Present

Virtual

Achievements/Tasks

- MATLAB Onramp
- Image processing Onramp
- Signal Processing Onramp
- machine learning onramp
- Deep learning Onramp

ORGANIZATIONS

Student Member IEEE (01/2023 - Present)

Student Member, EESS IIT Roorkee

SKILLS

MATLAB

dSPACE

Hardware in loop

Real time Control

Machine Learning

PERSONAL PROJECTS

Mitigation of Cyberattacks in power systems using nonlinear control design (02/2022 - Present)

- The fundamental objective behind this project is to gain knowledge of the different types of cyber-attacks, load frequency control, and their designs.

Unified power Quality conditioner-based power Quality improvement in Power System (09/2014 - 05/2015)

- Unified power Quality Conditioner Based power Quality improvement in Power System.(Masters Project)

Adaptive backstepping control of underactuated system (09/2011 - 05/2012)

- Underactuated Mechanical system is modelled and control via nonlinear backstepping control

CERTIFICATES

MITx 6.002.x Circuits and Electronics (11/2011 - 06/2012)

fundamental undergraduate electrical engineering course that introduces engineering online

NTPC Summer Trainee (01/2011 - 02/2011)

Power plant familiarization

Optimization and Estimation Techniques for in Control Applications-(NIT Rourkela) (06/2018)

Recent Industrial Trends Control and Optimization 2023-NIT Jalandhar (05/2023)

ACHIEVEMENTS

Best poster award on Institute Research Day (IRD) IIT Roorkee (03/2023)

Student Excellence Award Receiving From Calcutta Institute of engineering & Management (07/2012)

LANGUAGES

Bengali

Full Professional Proficiency

English

Full Professional Proficiency

Hindi

Professional Working Proficiency

INTERESTS

Reading Novels