

Name: Mr SOHAM DEY



Department: Electrical Engineering

Contact Nos.: 9474333181

Qualifications: B.Tech in EE, M. E in Control Systems

Designation: Assistant Professor

VIDWAN ID: 187853

Experience (Teaching / Research / Industry, in years): Teaching - 5.8 yrs., Research - 3 yrs.

Date of Joining at the Present Institution: 12/01/2016

Examinations Cleared: GATE

Qualifications Summary (Reverse chronological order):

Degree	Institute	From - To	Subjects
M.E	BIT Mesra, Ranchi	2013 - 2015	Control Systems
B. Tech	Asansol Engineering College	2008 - 2012	Electrical Engineering
H.S (10+2)	Sonamukhi B.J High School	2007 - 2008	Math, Physics, Chemistry
M.P (10 th)	Sonamukhi B.J High School	2005 - 2006	Eng., Beng., Math., PSc., LSc.

Experience Summary (In chronological order):

Designation, Organization, Date From - Date To: Assistant Professor, Dr. B.C. Roy Engineering College, Durgapur, 12/01/2016 to till date.

Specialization/Research Interest: Optimal control, Robust linear controllers, Soft computing techniques, Advance meta-heuristic optimizations, Digital signal Processing.

Awards & Recognitions

Best paper/ scholarship/Position in university exam / awards while at industry/ other organizations etc.

Best Paper Award in 2020 IEEE Calcutta conference (CALCON), Kolkata, India, Feb. 2020.

Courses taught:

B.Tech: Specify the name of the subject/s (Theory first and then practical) : Theory - Basic Electrical Engg., Electro-magnetic Field Theory, Network Theory, Electrical Measurements, Digital Signal Processing, Process Control.

Practical – Basic Electrical Lab, Circuit Theory Lab, Measurement Lab, Control System Lab, System Design Lab

M.Tech: specify the name of the Subject/s: Theory – Advanced Control Systems.

Online Mode of Teaching:

1. Delivering Video Lectures (Sample Link - https://drive.google.com/file/d/1Kce3yifeL_FhBLKpQ-U91PxYg1cXgjsD/view?usp=sharing)
2. Providing Class notes in Pdf format
3. Taking Live classes through Google Meet (Sample Link - <meet.google.com/uuk-dkjs-tyo>)

Publications:

Journal:

Conference:

1. **Dey, S.**, Dey J., and Banerjee, S., "Optimization Algorithm Based PID Controller Design for a Magnetic Levitation System," *2020 IEEE Calcutta Conference (CALCON)*, Kolkata, India, 2020, pp. 258-262
DOI: [10.1109/CALCON49167.2020.9106522](https://doi.org/10.1109/CALCON49167.2020.9106522)
Print ISBN 978-1-7281-5362-9, Online ISBN 978-1-7281-4283-8
2. **S. Dey**, S. Banerjee and J. Dey, "Design and Performance Analysis of Optimized Fractional Order PID Controller for Magnetic Levitation System," *2021 IEEE 4th International Conference on Computing, Power and Communication Technologies (GUCON)*, 2021, pp. 1-6,
Doi: 10.1109/GUCON50781.2021.9574026.
Print ISBN:978-1-7281-9952-8, Electronic ISBN:978-1-7281-9951-1

Supervision of Ph.D/M.Tech/ B.Tech Projects:

Projects:

1. Abhay Tiwary (12001617108), Abhishek Kumar (12001617105), Mohit Vinayak (12001617111), Aafreen khan (12001617109) and Ashok Mondal (12001617114), Prof. Soham Dey, SERVO MECHANISM BASED PID CONTROLLER DESIGN FOR DC MOTOR, 2020-21.
2. Srabana Biswas (12001616037), Parijat Dutta (12001616082), Subhajit Patra (12001616035), Souvik Mukherjee (12001616038), Subha Banerjee (12001616036) and Sourav Kumar Sarkar (12001616042), Prof. Soham Dey, "SPEED CONTROL OF D.C. MOTOR BY USING PID CONTROLLER", 2019-20.
3. RATHINDRANATHDAS(12001615069), PRIYANKA DAS(12001616007), SOUMILI DAS (12001615093), MINTU DUTTA(12001616009), ARIJIT MONDAL(12001616019), Prof Soham Dey, "Fabrication of a Drone", 2018-19.

Invited Lectures: NA.

Participation in seminar/conference/symposium/workshop/discussion meeting

Webinar - Modern Trends of Electrical Engineering and its Application" (MTEEA-2020), 5 days, December 2020, Electrical Engineering Dept., Dr. B. C Engineering College, Durgapur.

Participation in faculty development programmes

1. NPTEL online course on Non-linear Control, online FDP, 1 month, July- Aug 2018
2. NPTEL online course on Advanced Linear Continuous Control, online FDP, 3 months, Aug- Oct 2018.

Organization of events (Dr. B. C. Roy Engineering College): NA

Participation in administrative committees (selected)

Co-ordinator, Examination Cell Committee, 2018 - 2021.

Member, Vishwakarma Puja Committee, 2016, 2017, 2018, 2019.

Project Ideas Submitted to Govt. Agencies/ On-going Projects / Research Ideas under preparation & execution: NA

Membership of professional bodies: IEEE, IETE, IEL, CSI, MGMI etc. NA.