Name: Mr KOUSTAV ROY

Department: ECE

Contact Nos.: 9434480714

Qualifications: ME

Designation: Assistant Professor

VIDWAN ID: 187489

Experience (Teaching / Research / Industry, in years): 15 years teaching
3 years research

Date of Joining at the Present Institution: 05/08/2008

Examinations Cleared: NA

Qualifications Summary (Reverse chronological order):

Degree	Institution	From -To	Subjects
Master of Technology	Jadavpur University, West Bengal	2008	Master in Control System Engineering
Bachelor of Technology	Burdwan University, West Bengal	2002	Electronics and Instrumentation Engineering
Higher Secondary(10+2)	W.B.C.H.S.E.	1997	Science
Secondary(10^{th})	W.B.C.S.E.	1995	General

Experience Summary (In chronological order):

Designation	Organisation	From -To
LECTURER	Dr. B.C.Roy Engineering College, Durgapur (West Bengal).	August 2008-June 2009
SR. LECTURER	Dr. B.C.Roy Engineering College,	July 2009-August 2010

	Durgapur (West Bengal).	
ASSISTANT PROFESSOR-II	**Dr. B.C.Roy Engineering College, Durgapur (West Bengal).**	**September 2010-December 2019**
ASSISTANT PROFESSOR-III	**Dr. B.C.Roy Engineering College, Durgapur (West Bengal).**	**January 2020-Till Date**

Specialization/Research Interest: Mathematical Modelling, Simulation, Optimization, System and Control.

Awards & Recognitions: NO

Courses taught:
Basic Electronics, Electrical Measurement and Instrumentation, Circuit Theory, Analogue Electronics, Sensors and Transducers, Control System, Electronic Measurement and Instrumentation, Process Control, Power Electronic.

PRACTICAL (B.Tech.): Basic Electronics Lab, Sensors and Transducers Lab, Electrical Measurement and Instrumentation Lab, Electronics Measurement and Instrumentation Lab, Control System Lab and Industrial Instrumentation Lab.

Online Mode of Teaching:

Lecture notes / PPT/ Video Lecture etc. in Google Drive / Google meet/Weblink etc)

Publications:

Conference:
Publications:

1. Koustav Roy, Jyoti Bhati and Swapan Paruya; "Evaluating Successive Linearization in NMPC for Controlling Oscillations in Boiling Channel". Accepted and published in *ICCAS-2018* (ISBN: **978-89-93215-16-8**); pp. 1260-64; Pyeong Chang, Gang Won, South Korea.

2. Koustav Roy, Nababithi Goswami and Swapan Paruya; "Nonlinear model predictive control – a robust method to control chaotic dynamics of subcooled boiling flow". Presented in *ESMOC 2017*- 2nd Energy System Modeling Optimization conference, National Institute of Technology, Durgapur, 11-13 December, 2017.

Supervision B.Tech Projects:

Name of the Student	University Roll No.	Title of the Project	Year
Gurpreet Singh Sanjib Santra Rohan Ganguly	12000512017 12000512048 12000512046	Speed control of DC Motor using linear quadratic regulator (LQR)	2016
Arnab Das Kanhaiya Jha Pratyush Kumar Shanu	12000513010 12000513018 12000513031	LIGHT GLOW ON DETECTING VEHICLE MOVEMENT USING IR SENSORS	2017
MONICA BARANWAL	12005514009	ULTRASONIC BLIND SENSOR STICK.	2018
HEMANT KR. SINGH AMAN ABHISHEK KISKU	12005515011 12005515001	TUNING AND DESIGNING OF PID CONTROLLER	2019

Invited Lectures: NA

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

Name of the event	**duration**	**Year**	**Organized by**
ESMOC	11-13 December	2017	NIT, Durgapur
ICCAS	17-20 October	2018	ICROS, South Korea

Participation in faculty development programmes: NA

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

Participation in administrative committees (selected): **NA**

Membership of professional bodies: IEEE