

## Committee

### Chief Patron

Prof. Sivaji Bandyopadhyay, Director, NIT Silchar

### Patrons

Prof. A. K. Barbhuiya, Dean (Academic)

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### Advisory Members

Dr. S. H. Laskar, HoD, Dept. of E&IE

Dr. Sukumar Pati, Coordinator, TEQIP-III

## Course Objectives

Control and its application to Robotics is one of the most relevant field today. Robots have become indispensable in fields like industrial production, health, military and also in household applications. Moreover, robots are becoming 'smarter' and more efficient with the help of intelligent control techniques. Artificial Intelligence and advanced controllers have played a major role in making the robot smarter. Therefore, this faculty development program provides a common platform where the participants will be

- exposed to different type of robots and their modelling techniques;
- understand the requirement of advanced nonlinear control in robotics;
- able to find directions for future research in the field of robotics and control

## Invited Speakers

- **Prof. Indra Narayan Kar, Professor,**  
IIT Delhi, India
- **Prof. Bijan Bandyopadhyay, Professor,**  
IIT Bombay, India
- **Prof. Ravi Banavar, Professor**  
IIT, Bombay
- **Prof. Bidyadhar Subudhi, Professor,**  
IIT Goa, India
- **Dr. António Pascoal, Associate Professor,**  
Institute for Systems & Robotics, Lisbon, Portugal
- **Dr. Sandip Ghosh Associate Professor,**  
IIT BHU, India
- **Mr. S. Joseph Winston, Head, RHIED**  
Indira Gandhi Centre for Atomic Research, India
- **Dr. Dhruv Chandel, Mathworks,**  
New Delhi, India
- **Dr. Shyam Kamal, Assistant Professor,**  
IIT BHU, India
- **Dr. Rajeeb Dey, Assistant Professor,**  
NIT Silchar, India
- **Dr. Nabanita Adhikary, Assistant Professor,**  
NIT Silchar, India

## Contact Details

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## One Week Online Faculty Development Webinar

on

## Robotics and Control (RoboCon)

15<sup>th</sup> - 19<sup>th</sup> July, 2020

Organized by



Department of  
Electronics & Instrumentation Engineering  
**National Institute of Technology Silchar**

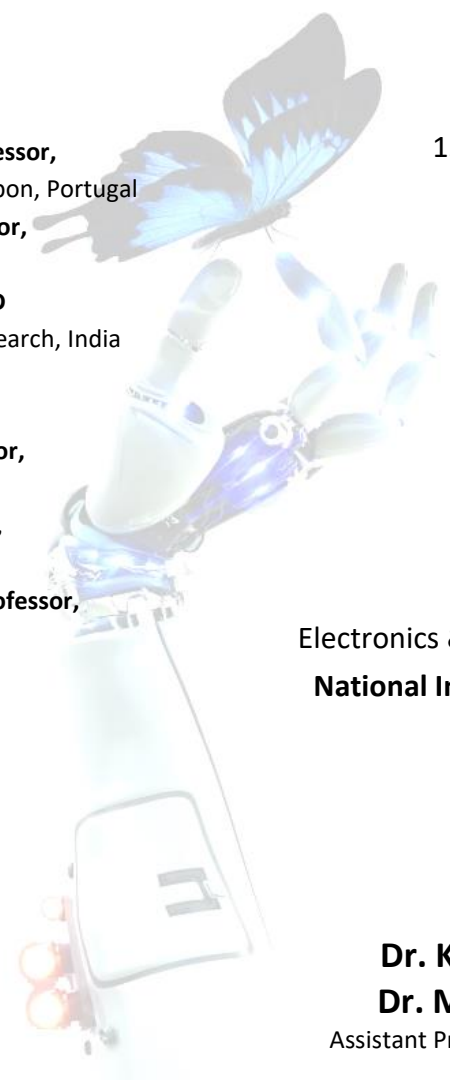
supported by

**TEQIP-III**

*Coordinators*

**Dr. Koena Mukherjee**  
**Dr. Manas Kumar Bera**

Assistant Professor, Dept. of E&IE, NIT Silchar



## NIT Silchar

National Institute of Technology, Silchar is one of the 31 National Institutes of Technology of India and was established in 1967 as a Regional Engineering College in Assam. In 2002, it was upgraded to the status of National Institute of Technology and was declared as Institute of National Importance under the National Institutes of Technology Act, 2007. NIT Silchar is a fully residential campus situated on the banks of river Barak and on a sprawling campus spread over 625 acres of land surrounded by scenic tea gardens on the outskirts of Silchar. NIT Silchar is a teaching and research institute which reflects in the top NIRF rankings.

## Department of E&I Engineering

The department of Electronics and Instrumentation Engineering was established in the year 2008 and currently offer a four year B.Tech programme in Electronics Instrumentation Engineering, a two year M.Tech programme in Instrumentation Engineering and PhD programmes in related research topics. The department focuses in the areas of process control, industrial automation, robotics, sensors, bio-medical instrumentation, super-capacitors, communication, etc.



### Who can Apply?

Faculties, B.Tech, M.Tech, PhD students, Industry personnel interested in robotics and control.

### How to Apply

Registration Link:

<https://forms.gle/yVRyYKEwmgwRd7cq9>

Registration Fee: FREE, Seats: 225

### Important Dates

Last date to Register: July 13, 2020

Confirmation of participation: July 14, 2020

### Webinar Platform

Google Meet. Webinar link will be shared with the participants in their registered email id 24 hours before commencement of the talk.

### Certification

Participation certificates will be issued to all the participants with minimum of 75% attendance.

### Speakers



**Prof. Indra Narayan Kar**



**Prof. Bijan Bandyopadhyay**



**Prof. Ravi Banavar**



**Prof. Bidyadhar Subudhi**



**Dr. Ant'onio Pascoal**



**Dr. Sandip Ghosh**



**Mr. S. Joseph Winston**



**Dr. Dhruv Chandel**



**Dr. Shyam Kamal**



**Dr. Rajeeb Dey**



**Dr. Nabanita Adhikary**