



DEPARTMENT OF INSTRUMENTATION AND CONTROL ENGINEERING  
**NATIONAL INSTITUTE OF TECHNOLOGY, TIRUCHIRAPPALLI**



is organizing

**5-Day Online Workshop**

on

**Recent Advances in  
Control and Instrumentation Design Techniques of Robotic Systems**

27<sup>th</sup> to 31<sup>st</sup> October, 2023

**The Institute**

National Institute of Technology, Tiruchirappalli is one of the premier institutes in India. It was established in the year 1964 to cater to the growing need for technological manpower of the nation. It ranks first among all the NITs in the country based on the National Institutional Ranking Framework (NIRF). It offers 10 undergraduate and 23 postgraduate programmes in various disciplines of Engineering, Science, Architecture and Management.

**The Department**

The Department of Instrumentation and Control Engineering is inter-disciplinary in nature. It offers B.Tech. in Instrumentation and Control Engineering as well as M.Tech. in Industrial Automation. It also offers M.Tech. in Process Control and Instrumentation jointly with the Department of Chemical Engineering as well as M.S. and Ph.D. in various fields of Instrumentation and Control Engineering. The teaching and research carried out in the department has a broad spectrum covering many significant fields of Engineering and Technology.

**The Workshop**

Robotics is an inter-disciplinary field. This workshop is an opportunity for those who are interested in this field to have an exposure to the relevant topics and resources related to Robotics from experts working across the country. It mainly focusses on the Control and Instrumentation aspects of Robotic Systems.

**Contents**

- Modeling of Robotic Systems
- Control Design Techniques
- Mobile Robot Manipulation
- Spherical Robot Navigation
- Mechatronics
- Sensors and Actuators
- Measurement Techniques
- Electronic Instrumentation
- Modern Interfacing Techniques

**Resource Persons**

Eminent speakers from IITs, NITs, IIITs and Industries.

**Registration Fee**

Students	₹ 500
Faculty Members	₹ 750
Industry Professionals	₹ 1000

**Registration Fee Payment**

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**Registration Form:** [forms.gle/LusHfsMMfSigg7VQ9](https://forms.gle/LusHfsMMfSigg7VQ9)

**Last Date of Registration:** 23<sup>rd</sup> October, 2023

**Coordinators**

**Dr. Rahul Kumar Sharma**

Assistant Professor  
rahul@nitt.edu  
+919855874938

**Dr. Shiraz Sohail**

Assistant Professor  
ssohail@nitt.edu  
+919775550302