

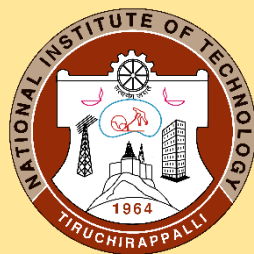


The National Institute of Technology, Tiruchirappalli (NIT-T), formerly known Regional Engineering College, Tiruchirappalli (RECT) is one of the top technical institutes started by the Government of India. In 2003, the institution has been granted 'Deemed to be University' status with the approval of UGC/AICTE. With a cream of engineering and management talent, encompassing exuberant students and inspiring faculty, integrated with State-of-the-art infrastructure facilities, NIT-T today has emerged as one of the premier institutions in the country. The National Institutional Ranking Framework (NIRF) ranked the institute 5 for architecture, 8 for engineering, 3 for management and 23 overall among the academic institutions in India in 2022.

Instrumentation & Control Engineering

This department offers Under Graduate (UG)-B.Tech., Post Graduate (PG)- M.Tech. in Industrial Automation, and M.Tech. in Process Control and Instrumentation (offered jointly with the dept. of Chemical Engineering) and research programmes-M.S. (by Research) and Ph.D. programmes that provide students with the knowledge and tools needed to succeed in the field of instrumentation and control. The vision of the department is to constantly strive to make this department a world class school in Instrumentation and Control Engineering.

NATIONAL INSTITUTE OF TECHNOLOGY TIRUCHIRAPPALLI 620015



Sensors, Signal Conditioning and Embedded Controller for Industrial Applications (SSCEC-2023)

A 5 DAYS ONLINE WORKSHOP

organized by

Department of Instrumentation &
Control Engineering

17th – 21st April 2023

Program Coordinators

Dr. K. Srinivasan

Dr. V. Sridevi

Dr. Geetha C

For communication

Dr. Geetha C, Assistant Professor,
Department of ICE, NIT Trichy
Mobile: +91 7382409791
Mail to geethac@nitt.edu

Fill the below google form:

<https://forms.gle/hTHcZhNhcN72pDE8>

Course Objective

The objective of course is to provide depth knowledge in the field of sensors, signal conditioning and embedded controller for industrial applications in theoretical & practical aspects.

Course Coverage

The major topics to be covered:

- ❖ Overview of sensors, types and working principles, smart sensors, IoT based sensor design, etc.
- ❖ Signal conditioning and interfacing circuits
- ❖ Embedded systems design, RTOS and hands-on training
- ❖ PLCs, and its programming for industrial applications
- ❖ Research presentation on 'The Advancement in Instrumentation'

Target Audience

Faculty, Researchers from polytechnic and engineering institutions, scientists/ industrialists.

Registration Fee

Scientist/Industrialist: Rs. 1500 + 18 % GST

Faculty: Rs.1000 + 18 % GST

Researchers / Students: Rs.750 +18 % GST

Last date of registration: **14-04-2023**

Payment Procedure:

Go to SBI-collect using the below link

<https://www.onlinesbi.sbi/sbicollect/icollecthome.htm>

- Select category >> Educational Institutions >> "Conference and Workshop NIT Trichy".
- Select payment category as "ICE SSCEC 2023".
- Make payment through UPI/ Net Banking/ Credit card/ NEFT.
- Upload payment receipt in the given google form link