M.Tech. Industrial Automation - Admissions - July 2024 Session

DEPARTMENT OF INSTRUMENTATION AND CONTROL ENGINEERING
National Institute of Technology, Tiruchirappalli

The department of Instrumentation and Control Engineering (ICE) of NIT-Tiruchirappalli is a pioneer in new-age research and teaching on Sensors, Instrumentation, Control, Automation, and all allied fields. The department offers well-reputed academic programmes: B.Tech. in Instrumentation and Control Engineering (NBA Accredited 2023-29), M.Tech. in Industrial Automation (started in 2020), M.Tech. in Process Control and Instrumentation (since 1999, offered jointly with the dept. of Chemical Engineering), M.S. by Research and Ph.D. programmes.

The department welcomes candidates with B.E/B.Tech. in **Electronics, Instrumentation** & **Control** Engineering, and **Mechatronics**, **Mechanical** & **Production** Engineering with valid GATE scores in Instrumentation (IN) / Mechanical Engineering (ME) or Production and Industrial Engg. (PI) to join the 2 years M.Tech. in Industrial Automation programme.

The applications are invited through the Centralized Counselling for M.Tech. Admissions (CCMT 2024) portal.

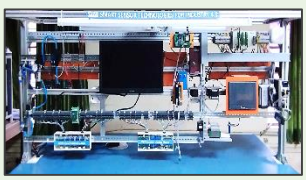
Number of seats for July 2024 session admissions: **25** Gen- 11, EWS- 2, SC- 4, ST- 1, OBC- 6, OBC PwD- 1
spread across 3 GATE streams IN, ME and PI

The 2-year M.Tech. Industrial Automation programme at NIT Tiruchirappalli

- prepares professionals to contribute to and develop next-generation automation technology and smart tools towards Industry 4.0.
- presents advanced curriculum imparting expertise required to meet the evolving demands of industry.
- provides hands-on training through various laboratories in the department and institute
- offers practical skill development in the following domains: Artificial Intelligence, Machine Learning / Deep Learning, Embedded systems, Robotics, Industrial data communication, Cyber security, Programmable Logic Controller (PLC) and Distributed Control Systems (DCS).

Research and Teaching Lab Facilities on emerging areas

- Advanced Instrumentation and Measurement
- Physiological Measurements and Instrumentation
- Industrial Automation
- Process Control
- Modelling and Simulation
- MEMS Design Centre
- Embedded Systems
- Smart Structures
- Applied Electromagnetics
- Biomedical Device and Tech. Development



IoT Test Bed

DCS module

Four Tank System

Pick and Place Robot

Courses taught as part of the programme

- Measurements in Manufacturing & Process Industries
- Industrial Automation Systems
- AI in Industrial Automation
- Cyber Security in Industrial Automation
- Embedded Systems
- Industrial Data Communications
- Electric Drives and Control
- Robotics in Industrial Automation
- Industrial Internet of Things
- Computer Vision and Image Processing
- Network Control System
- Process Instru. and Automation Lab
- AI and Robotics Lab
- Building and Infrastructure Automation

Important Dates (CCMT)	
Online Registration and Fee payment	7th June 2024 (Fri) 5.30 PM
Online Choice Filling and Locking choices	10th June 2024 (Mon) 5.30 PM
Round-1 Seat allocation	12th June 2024 (Wed)
Seat acceptance and Document verification	18th June 2024 (Tue) 19th June 2024 (Wed)

Some of our esteemed recruiters

Mercedes-Benz, YOKOGAWA, ANALOG DEVICES, Texas Instruments, DELTA, Sterlite Power, Qualcomm, Hitachi Energy, TATA MOTORS, SEDEMAC Innovative Controls, CATERPILLAR, TVS

CCMT Portal: https://ccmt.admissions.nic.in/

To know more about ICE department:
https://www.nitt.edu/home/academics/departments/ice/

For further details you may contact

Dr. Periyasamy R.
periyasamyr@nitt.edu
+91-91798 26937

Dr. Sri Ram Shankar R.
srir@nitt.edu
+91-96111 91544

Dr. Rahul Kumar Sharma
rahul@nitt.edu
+91-98558 74938

Head of the Department
hodice@nitt.edu
+91-431-250 3350