ABOUT THE INSTITUTION

Established in 1965 as Tripura Engineering College. Later, the Government of India converted the Tripura Engineering College to National Institute of Technology Agartala on 1st April 2006. NIT Agartala is an Institute of National Importance was instituted by Government of India with the mission to herald excellence in technical education and research in the North-East region. NIT Agartala offers undergraduate, postgraduate, and doctoral programs in various fields of engineering, science, humanities, and management. The institute is renowned for its academic excellence, research initiatives, and industry collaborations. NITAgartala boasts state-of-the-art infrastructure, well-equipped laboratories, and a conducive learning environment.

VISION

Institute is committed to develop highly competent young Engineers, Scientists, and Management Professionals to cater to the ever-increasing techno- managerial needs of national and international standards fulfilling professional ethics and societal commitment.

MISSION

To produce techno-managerial human resource in line with global need offering state-of-the-art facility, research and training in engineering and allied disciplines.

CHIEF PATRON

Prof. S. K. Patra Director
National Institute of Technology Agartala

PATRON

Prof. Arvind Kumar Jain
Head, Department of Electrical Engineering National Institute of Technology Agartala

COORDINATOR

Mr. Diptanu Dey

Assistant Professor
Department of Electrical Engineering
National Institute of Technology Agartala

CO-COORDINATOR

Dr. Diptanu Das

Department of Electrical Engineering
National Institute of Technology Agartala

ADVISORY COMMITTEE

Prof. Priyanath Das
Dr. Rup Narayan Ray
Dr. Subhadeep Bhattacharjee
Dr. Joyashree Das
Dr. Sadhan Gope
Dr. Nivedita Laskar
Dr. Sharmistha Sharma

Department of Electrical Engineering
National Institute of Technology Agartala

ADDRESS FOR CORRESPONDENCE

Mr. Diptanu Dey
Department of Electrical Engineering
NIT Agartala, Tripura
Email : sensorlabeenita@proton.me

IMPORTANT DATES

- Lastdate ofreceiptofapplication: 26 June, 2025
  Notification about selection: by email

Four Week Summer Internship

(27th Juneto 24thJuly 2025)_on_

"Hands-on Sensor Technology: Design, Integration and Applications"

Sponsored by

Electrical Engineering Department
(NIT Agartala)

Department of Electrical Engineering

NationalInstitute of Technology, Agartala,Tripura - 799046

https://www.nita.ac.in/Department/Deptindex.aspx?

ABOUT ELECTRICAL ENGINEERING DEPARTMENT

The Department of Electrical Engineering is established in 1965 under the aegis of Tripura Engineering College (TEC), a state engineering college of Tripura, which is upgraded as National Institute of Technology on 1st April 2006. The department offers a four years B.Tech program in "Electrical Engineering". The department offers 2 years M.Tech programs in four specializations namely Power System Engineering, Power Electronics &Drives, Instrumentation Engineering, and Integrated Energy Systems.

The department is actively involved in high quality research and also running Ph.D. programs in especially in Instrumentation, Power System, Power Electronics & Drives, Renewable Energy, Smart Grids, Electric Vehicles etc. The research interests of the faculty members include a wide range of sub-disciplines of Electrical Engineering. The research activity of the department includes fundamental research, sponsored and consultancy projects, and is carried out with the active participation of the students, faculty, and research staff.

SPEAKERS

The speakers for this workshop will be from IITs, NITs, IIITs, NFSUs and industries.

TARGETPARTICIPANTS

The internship is designed and intended for 2nd Year, 3rd Year and final year U.G. students studying in Electrical Engineering Department of NIT Agartala

About the Program

This 4-week summer internship offers an immersive learning experience in sensor technology, combining theory with extensive lab-based experimentation. The program is tailored for B.Tech students of EE Department, NIT Agartala interested in sensor design, IoT integration, and real-world applications.

Objectives

● Learn fundamentals of sensor principles and classifications.

● Gain practical skills in calibration, interfacing, and signal processing.

● Build IoT-based systems using Arduino / Raspberry Pi.

● Collaborate on capstone projects addressing real-world challenges.

Learning Outcomes

• Design and implement sensor-based systems

• Analyze and troubleshoot sensor data

• Present technical solutions effectively

HOW TO REACH NIT AGARTALA

The Institute is 4 km away from Jirania on Assam- Agartala Highway (NH-44) and about 20 km away from Agartala city. Agartala is well connected by Rail Road and Air. Pre-Paid Taxi and auto services are available from Agartala Airport to the Institute.

REGISTRATION FEE & OTHER FACILITIES

• Internship will be conducted in Physical Mode.

• Internship registration fee is NIL.

• No T.A./D.A. will be provided to the participants.

• The registrations are limited to 20 participants.

For any query, please contact on email:
sensorlabeenita@proton.me