



# Department of Computer Science and Engineering, National Institute of Technology Rourkela

organizes

## Skill Development on IoT and Data Analytics for Smart System Design (Hybrid Mode)

10<sup>th</sup> July - 10<sup>th</sup> August 2025

Patron

Prof. K. Umamaheshwar Rao  
Director, NIT Rourkela

Chairperson

Prof. Bibhudatta Sahoo  
HOD, Department of CSE

Convener

Prof. Suchismita Chinara  
Associate Professor, Department of CSE

Coordinators

Mr. Vipul Singh Negi

Coordinators

Mr. Mohd.. Rafi Rashidi

### REGISTRATION DETAILS

- Registration: up to 5<sup>th</sup> July 2025
- Duration: 10<sup>th</sup> July - 10<sup>th</sup> August
- Venue: CSE Department, NIT Rourkela
- Account Name: Continuing Education, NIT Rourkela Bank
- Account Number: 10138951784
- Bank Name: State Bank of India (02109)
- Branch: NIT Campus Rourkela
- IFSC Code: SBIN0002109

Course completion certificate at the end of the internship.

### COURSE DETAILS

- Introduction to the Internet of Things
- Interfacing with Arduino and ESP Microcontrollers.
- Interfacing with Analog and Digital Sensors.
- Bluetooth and WiFi Communication with Microcontrollers.
- IoT Communication Protocols and Cloud Connectivity.
- Python Programming.
- Setting Linux and Anaconda environments for ML and AI.
- Data Collection and Dataset Creation using IoT and creating own ML Models.
- Data Visualization and Analysis using State of the Art techniques.

Registration Fees: Rs 4000 + 720 (18% GST)

Registration fees include registration kit, refreshment, and course materials.

Hostel accommodation and food will arranged for outstation students on payment basis as per the availability.

For more details contact: Prof. Suchismita Chinara (9437116795) and Mr Vipul Negi (9997364106).

> <https://forms.gle/NivZVYXmiy442CTs9>