

## COURSE OBJECTIVE

Nowadays sensors are an integral part of our day-to-day life. Consumer electronics, automobiles, and healthcare systems are few examples. A raw sensor without interfacing electronics is not beneficial as it can not provide usable output, both must be integrated together. The main objective of this workshop is to provide an opportunity for the faculty members, students and research scholars to get an exposure in the field of MEMS sensors, interfacing circuits and their integration techniques.

## COURSE HIGHLIGHTS

- Familiarization of Microfabrication technologies and MEMS based Sensors.
- Understanding the MEMS Accelerometers, pressure and temperature sensors, bio-sensors, wearable devices and their working.
- Analog IC design, sensor interfacing circuits, packaging and integration with sensors.
- Expert lectures by eminent academicians from IITs, NITs, as well as other universities and industry experts.

## INTENDED ATTENDEES

This workshop provides an opportunity to learn sensor fundamentals, their interfacing techniques along with self-powered wearable devices to create interest among students, research scholars, faculty members and professionals working in the area of micro-sensors and interfacing circuits.

## REGISTRATION FEE:

Registration Type	Fees
Student	FREE
Faculty Members	INR 1000
Industry Person	INR 1000

## BANK ACCOUNT DETAILS FOR PAYING REGISTRATION FEE:

The registration fee is to be deposited in the following bank account:

Account Name	CONFERENCE, NIT ROURKELA
Account No.	36734418111
Bank	State Bank of India
Branch	NIT Campus Rourkela (02109)
IFS Code	SBIN0002109

## HOW TO APPLY

To complete online registration, the participants need to fill the following google form:

<https://forms.gle/jU4Kvjy2SSAnEUVF8>

## IMPORTANT DATES

APPLICATION DEADLINE **15<sup>TH</sup> JULY 2022**

COURSE COMMENCEMENT **18<sup>TH</sup> JULY 2022**



Scan here for registration



## SERB SPONSERED ONLINE WORKSHOP

ON

## MICRO-SENSORS AND INTERFACING CIRCUITS (MSIC-2022)

(18<sup>TH</sup> - 22<sup>ND</sup> JULY. 2022)



## CHAIRMAN

**PROF. UMESH CHANDRA PATI**

## COORDINATORS

**PROF. SOUGATA KUMAR KAR**

**PROF. SUDIP KUNDU**

**PROF. SANTANU SARKAR**

Organized By:

Dept. of Electronics and Communication Engineering  
National Institute of Technology  
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## ADDRESS OF CORRESPONDENCE

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# SPEAKERS



## About NIT Rourkela

National Institute of Technology (NIT), Rourkela was founded as Regional Engineering College, Rourkela in 1961. It is a prestigious institute with a reputation for excellence at both undergraduate and postgraduate levels, fostering the spirit of national integration among the students, a close interaction with industry and a strong emphasis on research, both basic and applied. The city of Rourkela is a bustling industrial city, cosmopolitan by nature and is well connected to all parts of the country by road and rail. The nearest airports are Jharsuguda, Ranchi, Kolkata and Bhubaneswar, which are well connected by trains. Please visit [www.nitrkl.ac.in](http://www.nitrkl.ac.in) to know more about NIT Rourkela.

## About ECE Department

The department was established with the vision to become a nationally acclaimed department of higher learning that will serve as a source of knowledge and expertise for the society. The department offers various UG and PG programs with the mission to advance and spread knowledge in the areas of electronics, communication, instrumentation, signal processing and VLSI leading to creation of wealth and welfare of humanity. The department also offers M. Tech. in Microwave and Radar Engineering and Ph. D. for regular as well as sponsored candidates. The faculties of ECE department are handling several externally funded research projects from SERB, DST, DRDO, and ISRO. Please visit [www.nitrkl.ac.in/EC](http://www.nitrkl.ac.in/EC) to know more about the Department of ECE.



**PROF. SUBHAS MUKHOPADHYAY**  
MACQUARIE UNIVERSITY



**PROF. M. M. NAYAK**  
CeNSE, IISC, BANGALORE



**PROF. TARUN K. BHATTACHARYA**  
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**PROF. SOUMEN DAS**  
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