

## Important Dates

Last date of receipt of application form	<b>19th Sep 2016</b>
Notification to participants	<b>20th Sep 2016</b>
Course Commencement	<b>24th Sep 2016</b>

## Contact Details

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## Address of Correspondence

Coordinator, **Microsensors and Signal Conditioning**  
Department of Electronics & Communication Engineering  
National Institute of Technology  
Rourkela-769008, Odisha, INDIA.  
www.nitrkl.ac.in

## Registration Form

TEQIP-II Sponsored Short Term Course  
on

**Microsensors and Signal Conditioning  
(MSSC-2016)**

**(24<sup>th</sup> - 25<sup>th</sup> September, 2016)**

1. Name: \_\_\_\_\_
2. Sex (M/F): \_\_\_\_\_
3. Organization: \_\_\_\_\_
4. Highest Academic Qualification: \_\_\_\_\_
5. Address of correspondence: \_\_\_\_\_

Phone/Mobile: \_\_\_\_\_

Email: \_\_\_\_\_

6. Accommodation Required: YES/NO

## Declaration

The information provided is true to the best of my knowledge. If selected, I agree to abide by the rules and regulations of the course. I also agree to inform the Coordinators in case, I am unable to attend the course.

Date: \_\_\_\_\_

Place: \_\_\_\_\_

Signature of Participant

Forwarding remarks of Head of the Department/Institute.

Signature with seal

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**Short Term Course  
On**

**Microsensors and Signal Conditioning  
(MSSC-2016)**

**(24<sup>th</sup> - 25<sup>th</sup> September, 2016 )**



## Coordinators

**Prof. Sougata Kumar Kar  
Prof. Banibrata Mukherjee  
Prof. Prashanth Vooka  
Prof. Tarun Kumar Dan  
Prof. Umesh Chandra Pati**



**Organized by**

**Dept. of Electronics & Communication Engineering  
National Institute of Technology  
Rourkela-769008, Odisha, India**

## Course Objective

Nowadays sensors are integral part of our day to day life. Consumer electronics, automobiles, 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 short term course is to provide an opportunity for the faculty members 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, Gas sensors, fractal based sensors, electronic nose and their working.
- Sensor interfacing circuits and its integration with sensors.
- Expert lectures from eminent academicians from IITs, NITs and other universities.

## Intended Attendees

Faculty members of engineering institutions who are working or interested to work in the area of microsensors and interfacing electronics are expected to attend. This program will focus from the basics to the recent advancement in the areas of microsensors, interfacing and integration. Number of participants is limited to 30.

## About National Institute of Technology, Rourkela

National Institute of Technology (NIT), Rourkela was founded as Regional Engineering College, Rourkela in the year 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.



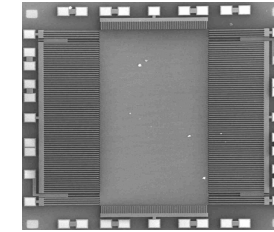
Main entrance of NIT, Rourkela

## Location

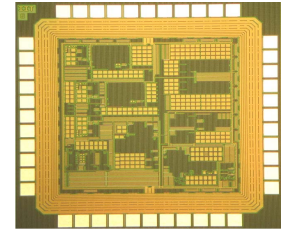
The city of Rourkela is a bustling industrial town, cosmopolitan by nature and is well connected to all parts of the country by road and rail. It is en-route Howrah-Mumbai main line of South-Eastern Railway. Nesting amidst greenery on all sides, NIT campus is approximately 7 km from Rourkela railway station. The nearest airports are Ranchi, Kolkata and Bhubaneswar, which are well connected by trains.

## About Dept. of Electronics & Communication Engineering

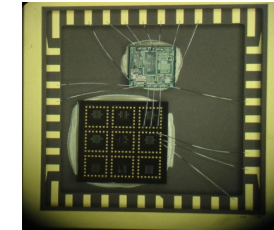
The main objective of the Electronics & Communication Engineering (ECE) department is to impart high quality education and research. The major research areas of the department include Instrumentation Engineering, Communication Engineering, Signal Processing and VLSI & Embedded Systems. The ECE department is handling several research projects sponsored by external funding agencies. Microsensors, its associated interfacing circuit, integration of sensors and circuits are among the various priority research areas of the department.



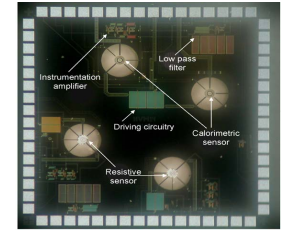
MEMS Accelerometer



Sensor Interfacing ASIC



Hybrid Accelerometer



Integrated Gas Sensor

## Registration

Registration Fee - Free

## How to Apply

Scanned copy of the duly filled and signed registration form approved by Head of Department or Head of Institution should be sent through mail to the coordinator on or before **19th Sept 2016**. Hard copy must be submitted in the registration desk on 24th September, 2016.

## Accommodation

On prior request, accommodation (twin sharing) may be provided to the participants in the institute guest house of NIT, Rourkela as per availability. No TA/DA will be provided to the participants.