

REGISTRATION AND FEES:

Date	Category	Fee
Before 5 th Dec 2017	BTech/MTech/PhD students	INR 4000.00
After 5 th Dec 2017	BTech/MTech/PhD students	INR 4500.00
Before 5 th Dec 2017	Faculty/Industry personnel	INR 5000.00
After 5 th Dec 2017	Faculty/Industry personnel	INR 5500.00

IMPORTANT DATES:

Last date for receipt of
application with DD/Chq: **5/12/2017**
Selection letters to be e-mailed: **8/12/2017**
Course Commences on: **11/12/2017**

CONTACTS:

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NOTE : Envelope must be superscribed as "Design &
Simulation of Antennas and Microwave Devices"

Short Term Course on

Design & Simulation of Antennas and Microwave Devices

(11th - 15th December, 2017)

Registration Form

1. Name : _____
2. Sex (M/F): _____
3. Category: Student / Faculty / Industry
4. College / Organization name: _____

5. Highest Academic Qualification: _____
6. Address for Correspondence:
Phone/Mobile:
Email:
7. Accommodation Required: Yes/No
(Hostel/Guest House)
8. Bank Draft Details:
Amount _____ Draft No: _____
Drawn on _____
Date:
Place: *Signature of Participant*
Forwarded by Head of the Department / Institute

Signature (with seal)

Short Term Course on

Design & Simulation of Antennas and Microwave Devices

(11th - 15th December, 2017)



Coordinator

Prof. S. K. Behera



Dept. of Electronics & Comm. Engg
National Institute of Technology
Rourkela – 769 008

COURSE OBJECTIVE:

The main objective of this short term course is to provide an opportunity for students, research scholars, faculty members and industry personnel to get an exposure in the field of Microwave and Antennas. The short term course is to give an insight into field by discussion of necessary theoretical background as well as demonstration through simulation and measurement techniques. Participants will get an opportunity of 15 hours in hand training of ANSYS EM package & anechoic chamber.

ABOUT DEPARTMENT OF ECE:

The main objective of the Department is to impart high quality education and research. The major research areas of the department include Communication engineering, Signal Processing, Image and video Processing, VLSI and Embedded Systems, Microwave and Radar Engineering. The EC department is handling several research projects sponsored by external funding agencies. The department has resourcefully established Microwave and Antenna Design Lab equipped with different types of state of art Licensed software(ANSYS HFSS, ANSYS DESIGNER, CST Microwave Studio, MATLAB) and hardware.

COURSE HIGHLIGHTS:

- ❖ Basic Introduction to Microwave Devices

and Antenna Systems.

- ❖ Introduction to ANSYS Designer and HFSS.
- ❖ Simulation of different microwave components using ANSYS Designer and HFSS.
- ❖ Simulation of different types of basic Antennas using ANSYS HFSS (Wire and Planar)
- ❖ Combined Simulation of Antenna and its supporting systems using HFSS and Designer.
- ❖ Circuit layout Design using ANSYS Designer.
- ❖ Introduction to Optimization in ANSYS.
- ❖ Physical insight to measurement of Antennas in Anechoic Chamber.

✓ All the Lab classes will be followed by background theory classes covered by experts

INTENDED ATTENDEES:

The course is designed primarily to train students, professionals, scholars, faculty members to take up microwave, antenna, RF communication as a career option in academic and industry. Students and faculty members of Electronics, Electrical, Ceramic Engineering and MSc (Electronics) would find this course extremely useful.

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. It is en-route Howrah-Mumbai main line of South-Eastern Railway. Nesting amidst greenery on all sides, NIT campus is approximately 7km from Rourkela railway station. The nearest airports are Ranchi, Kolkata and Bhubaneswar, which are well



connected by trains.

WEBSITE:

<http://nitrkl.ac.in/Academic/6ShortTermCourse/Default.aspx>

MODE OF PAYMENT:

Payment should be done in DD/ Multicity Cheque in favor of "Continuing Education, NIT Rourkela" payable at SBI, NIT Campus Branch. (Code: 2109).

ACCOMMODATION:

Accommodation will be provided in Hall of residences or Guest Houses of NIT, Rourkela as per availability.

* Room rent for Hall of residences will be collected as per actual at registration desk.