

## One Week Online

### Short Term Course

(Under TEQIP-III)

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n

### Latest Developments in Communication and Microwave Technologies

(2<sup>nd</sup> – 6<sup>th</sup> September, 2020)

Organized by

Department of Electronics & Communication  
Engineering



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#### ORGANIZING COMMITTEE

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##### Coordinators

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**Dr. Pawan Kumar Verma,**

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**Dr. Manjeet Singh,** Assistant Professor

**Dr. Tarun Chaudhary,** Assistant Professor

*For Registration,*

**There is no registration Fee.** For  
registrations please click on the  
Google form link -

<https://forms.gle/jYpy8pCLrdT72Mbk7>

**E-certificate will be issued to  
participants completing the course.**

*For further Queries Please  
Contact:*

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## Experts for the Course



Prof. M. V. Kartikeyan  
Professor IIT Roorkee



Dr. Karun Rawat  
Associate Prof. IIT Roorkee



Dr. Arun Prakash  
Associate Prof. NIT Allahabad



Prof. A. Patnaik  
Professor IIT Roorkee



Dr. Mayank Pandey  
Associate Prof. NIT Allahabad



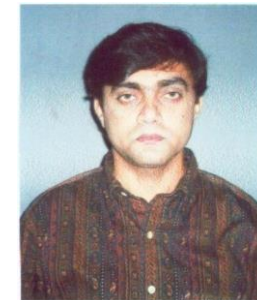
Dr. Neetesh Purohit  
Associate Prof. IIIT Allahabad



Dr. R. K. Panigrahi  
Associate Prof. IIT Roorkee



Prof. Shekhar Verma  
Professor IIIT Allahabad



Dr. Asim Mukherjee  
Associate Prof. NIT Allahabad

## About NIT, Jalandhar

Dr B R Ambedkar National Institute of Technology was established in the year 1987 as Regional Engineering College and was given the status of National Institute of Technology (Deemed University) by the Government of India on October 17, 2002 under the aegis of Ministry of Human Resource Development, New Delhi. Now the Ministry of Human Resource Development, Government of India has declared the Institute as “*Institute of National Importance*” under the act of Parliament-2007. The Institute has been placed amongst top 50 engineering institutions of the country as per the survey conducted by Mint-C Fore in the year 2008. The institute offers B. Tech programs in nine engineering disciplines. In addition to these programs, the institute offers M. Tech, Ph. D. programs in all Engineering disciplines.

## About the Department of ECE

The Department of Electronics & Communication Engineering, Dr. B R Ambedkar NIT Jalandhar has been offering B.Tech programme in Electronics & Communication Engineering since 1989, M.Tech programme in Electronics & Communication Engineering (Full-Time) and VLSI Design (Full Time) from year 2007. The Department also offers Ph.D. program in various specializations, such as Biomedical Engineering, VLSI Design and

Communication Systems etc. The course curriculum has been designed compatible to the existing and emerging needs of the industry. The Department has established state-of-the-art laboratories for B.Tech, M.Tech and Ph.D. research work. The Department has advanced Biomedical Signal Processing and Telemedicine Laboratory, VLSI Design Laboratory and Communication System Laboratory with sophisticated research equipments. The department has an advanced VLSI lab sponsored by Ministry of Communication and IT under SMDP-II project. In the VLSI lab Cadence, Mentor graphic, Synopsys, Magma, Coware and Xilinx software’s are available for project/research work.

## Objectives of the Short Term

### Course

The objective of this course is to introduce the research avenues in the field of Communication and Microwave technologies to the participants. With the increase in dependency upon online modes of interaction, importance of communication and microwave technologies has increased manifold. The communication technologies include the algorithmic part of communication, related to the topics such as Cognitive Radio, Vehicular Ad-hoc Networks, Computer Networks, and Remote Sensing. On the other hand, the microwave technologies

form the hardware part of communication and include fields such as RF circuits, RF Power Amplifier, RF receivers, and Antennas. This course will provide a platform to its participants to understand the basics of these technologies, and will also help them to progress their research in these future technologies. This course will also help participants to learn from experts working in the aforementioned areas.

## Course Deliverables

- Computer Networks
- Wireless Communications
- RF Design
- Antenna Design
- Remote Sensing

## Participants

Faculties of various Universities/ Institutes Professionals from Industry, Scientists and Engineers from R&D organizations, PG and PhD scholars can apply for course. The interested persons need to apply online through Google Forms (through proper channel). There is no registration fee for this course.