

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.

Location

The institute is located on Jalandhar-Amritsar NH-1 at a distance of 12 km from Jalandhar Bus Stand, 10 km from Jalandhar City Railway Station, and 16 km from Jalandhar Cantt. Railway Station, 170 km from Chandigarh, 80 km from Raja Sansi International Airport, Amritsar and 375 km from Indira Gandhi International Airport, New Delhi. It is connected to New Delhi by major Rail/Road connection.

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 Short Term Course aims to enhance technical and professional competency of the faculty members, PG & PhD Scholars in the domain of wireless communication systems. Cognitive radios and MIMO-OFDM systems are leading research fields. The main objective of this STC program is to provide theoretical and practical knowledge of the research trends in Wireless systems and Signal Processing. During this program the academicians and industry personnel in their respective areas of expertise will discuss the current scenario of advancements in research. In depth knowledge of upcoming trends in hardware and simulators for designing of 4G/5G wireless systems shall be delivered by experts. Particular emphasis would be given to the demonstration of advanced tools for system/network simulations. The course would also provide opportunity to the young faculty/researchers to interact across subfields and gain broader exposure to the major themes of this field.

Course Deliverables

- 5G Wireless Technology
- OFDM/LTE based Wireless Systems
- MIMO-OFDM Systems
- SDRs/ cognitive radio systems
- Wireless Sensor Network

- Hands-on training on Network Simulators
- Live demonstration of Advanced Hardware equipments

Resource Persons

The Faculty of the course will be the experienced personnel from teaching, education, research institutions, field and industry.

Participants

Teachers of various Universities/ Institutes Professionals from Industry, Scientists and Engineers from R&D organizations, M Tech and PhD research scholars can apply for course. The interested persons need to apply to the Coordinators in the prescribed format by due date (through proper channel).

*No course fee shall be charged from the participants.

Stay Arrangements

A limited number of rooms with shared accommodation in Hostels are available in NIT Jalandhar on payment basis. Accommodation will be arranged on request on first come first serve basis to the participants from academic institutes only.

Important dates

Last date of receiving complete registration forms:

15th May 2019.

Intimation to the selected candidates: Latest by

17th May, 2019.

Reporting date and time at the Institute:

25th May, 2019, 10:00 a.m.

Venue: NKN Hall, IT building, NIT Jalandhar

Dr. B. R. Ambedkar National Institute of
Technology, Jalandhar – 144011, Punjab

ONE WEEK SHORT TERM COURSE
(Under TEQIP-III)

**Research Trends in
Wireless Communication Systems**
(25th May -29th May, 2019)

REGISTRATION FORM

Name: Mr./Ms./Dr. _____

(in capital letters)

Designation: _____

Department: _____

Organization: _____

Address: _____

Tel/Fax: _____

Email ID: _____

Field of specialization: _____

Experience (in years): _____

Accommodation: Required/ not required: _____

Signature and Date: _____

**RECOMMENDATION OF THE SPONSORING
AUTHORITY**

The applicant is hereby sponsored and will be permitted
to attend the Short Term Course, if selected.

Date: _____

Signature and Seal
Of the sponsoring authority

ORGANIZING COMMITTEE

Chief Patron

Prof. (Dr) L K Awasthi

Director

Dr B R Ambedkar National Institute of Technology,
Jalandhar

Patron

Dr R K Sunkaria, Associate Professor and Head

Coordinator

Dr Neetu Sood, Assistant Professor

Dr Deepti Kakkar, Assistant Professor

Organizing Committee

Dr R K Sarin, Professor

Dr Arun Khosla, Professor

Dr B S Saini, Professor

Dr Mamta Khosla, Associate Professor

Dr Indu Saini, Assistant Professor

Dr Ashish Raman, Assistant Professor

Dr Balwinder Raj, Assistant Professor

Dr Nitesh Kashyap, Assistant Professor

Dr Sateesh Awasthi, Assistant Professor

Dr Sukwinder Singh, Assistant Professor

Dr Pawan Verma, Assistant Professor

Dr Deepak Bharti, Assistant Professor

For Registration, Please Contact:

Dr. Neetu Sood, Assistant Professor

Department of Electronics and Communication

Engineering, Dr. B.R. Ambedkar National Institute of
Technology, Jalandhar.

Phone: 0181-2690301-302, Ext.: 2609

Fax: 0181-2690320, 2690932

Email: soodn@nitj.ac.in

Dr. Deepti Kakkar, Assistant Professor

Department of Electronics and Communication

Engineering, Dr. B.R. Ambedkar National Institute of
Technology, Jalandhar

Phone: 0181-2690301-302, Ext.: 2610

Fax: 0181-2690320, 2690932

Email: kakkard@nitj.ac.in

One Week
Short Term Course
(Under TEQIP-III)

On
**Research Trends in
Wireless Communication Systems**
(25th May -29th May, 2019)

Organized by
Department of Electronics &
Communication
Engineering



**Dr B R Ambedkar National Institute of
Technology, Jalandhar
(Punjab)-144011**

Phone: 0181-2690301, 2690302

Fax: 0181-2690932

Website: www.nitj.ac.in