

Our Institute

National Institute of Technology, (Formerly Regional Engineering College, established in 1963) Kurukshetra is one among the foremost institutes of national importance imparting higher technical education. This Institute was conferred upon the status of Deemed University on June 26, 2002. Since then, it has been named as National Institute of Technology, Kurukshetra (Deemed University). National Institute of Technology, Kurukshetra is a residential institute well known for its dedicated facility, staff and the state-of-the-art infrastructure. The institute offers B.Tech. M.Tech. M.C.A. M.B.A, and Ph.D. programmes. The Institute enjoys an excellent placement service for its graduate and post graduate students.



The Place

Kurukshetra- the land of the Mahabharata has traditionally been the epicenter of learning. The message of Bhagavata Gita is believed to have been delivered by Lord Krishna at this place. In addition to its spiritual significance, the city of Kurukshetra has steadily developed into a center of academic excellence.

Location

Kurukshetra is a railway junction on Delhi-Ambala section of northern railway. It is about 160 Km from Delhi. The Institute is located on Pehowa road, about 6 Km from railway station. The nearest road junction is Pipli, which is about 10 Km away from NIT Kurukshetra.

ECE Department

ECE Department offers B.Tech, M.Tech (in two disciplines, ECE, VLSI) and Ph.D. programmes. The department has laboratories equipped with all state- of-art hardware and software resources plus a Computer Center with seventy PC's of latest configuration for providing computing facilities. All the relevant software resources are available in the department to offer good working exposure to the students. Research facilities are available in the areas of Advanced Communication Systems, Wireless Networks, Digital Signal Processing and VLSI Design.

ADDRESS OF CORRESPONDENCE:

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Short Term Course On Future Directions in Communication Systems (Under TEQIP)

December 17-20, 2007

Coordinator
Dr. Brahmjit Singh

Co-coordinator
Dr. Rajoo Pandey



Electronics and Communication Engineering
Department
National Institute of Technology, Kurukshetra,
Haryana – 136119

COURSE OUTLINE

There has been tremendous growth in the area of communication technology during the last decade having impact in all walks of human life. The proposed course has been designed to identify the capabilities, issues and directions in the evolved and next-generation communication systems. The course contents have been divided into both class room theory and practical sessions in the concerned laboratories of ECE Department. It will cover the following major topics:

I. Theory:

- Communication Networks, Digital modulation Techniques, CDMA Systems, Mitigation of Channel Impairment, MIMO System, OFDM Systems, High Speed Networks, Cellular Systems, Broadband Wireless Networks.

II. Practical Session

- Simulation of Communication Systems using MatLab, characterization of WLAN
- Implementation of signal processing algorithms/ techniques

ELIGIBILITY:

The course is open for the interested faculty members of engineering colleges and diploma level institutes.

REGISTRATION FEE:

- **Registration fee:** Rs. 500/- per participant.
- Lodging and boarding will be provided by the Institute free of cost.
- Registration form in the prescribed format along with the registration fee in form of DD in favor of Director, NIT Kurukshetra, payable at SBI, NIT, Kurukshetra should reach the coordinator on or before the last date.
- The name of the short term course should be mentioned on the envelope.
- No TA/DA will be provided to the participants by NIT, Kurukshetra.
- Intimation of acceptance will be communicated through email.

IMPORTANT DATES

- Last date of submission of registration forms: **on or before 30th November 2007**
- Intimation of acceptance: **on or before 5th December 2007.**

REGISTRATION FORM

**Short Term Course
On
Future Directions in Communication Systems
(Under TEQIP)
at
NIT Kurukshetra - 136119**

December 17-20, 2007

1. **Name (Mr/Ms)** _____
2. **Designation and official address**

3. **Email** _____
4. **Phone** _____ (O) _____ (R)
5. **Educational Qualification and Specialization**

6. **Professional Experience** _____
7. **Name of the Institution** _____
8. **Lodging & boarding required (Yes/No)** _____
9. **Details of Registration fee:**
Amount (Rs.) : _____
DD No : _____
Date : _____
Bank : _____

Signature of the applicant (with date)

Signature of Head of Dept./instt. (with seal)