

KURUKSHETRA

Kurukshetra is popularly known for its historical and religious importance. Here, the battle of Mahabharata was fought, and Lord Shree Krishna delivered the divine message as enshrined in the holy book “Shrimad BhagwadGita”. It is also known as DHARAMKSHETRA and it attracts devotees from all corners of world all round the year. Kurukshetra is very well connected by Rail, Delhi- Ambala section, by Road (NH1, connecting Delhi-Chandigarh-Amritsar-Jammu) and by Air (Delhi 160 km and Chandigarh 80km). The NIT Kurukshetra campus is situated about 10 km from Pipli, Bus stand located on NH1 and about 4 km from Kurukshetra railway station.

NATIONAL INSTITUTE OF TECHNOLOGY KURUKSHETRA

NIT Kurukshetra, formerly known as Regional Engineering College, Kurukshetra was founded in 1963. It was conferred upon the NIT status, with Deemed University on June 26, 2002. The Institute offers several courses, in various disciplines of B.Tech., M.Tech., MBA and MCA and Ph.D. with an annual intake of about 1500 students. Institute also provides excellent facilities for advanced research in the emerging areas of Engineering, Science, and Technology. The institute has well qualified and dedicated faculty along with supporting staff, laboratories and other infrastructure. The infrastructure is geared to enable the institute to produce technical personnel of high quality.

ELECTRONICS & COMMUNICATION ENGINEERING DEPARTMENT, NIT Kurukshetra

The branch of Electronics and Communication Engineering was started in the year 1971 under the aegis of Electrical Engineering Department. The “Department of Electronics and Communication Engineering” came into existence in the year 1973. In 1987, Computer Engineering branch was also started and the department was renamed as “Electronics, Communication and Computer Engineering”. In 2003, the department was again renamed as “Electronics and Communication Engineering” because of inception of “Computer Engineering Department” separately. The department started M.Tech. program in ECE and VLSI design in the year of 1987 and 2007, respectively. Presently, M.Tech. (VLSI Design) is being offered by the School of VLSI Design and Embedded Systems independently.

PATRON

Prof. B.V. Ramana Reddy
Director, NIT Kurukshetra

CONVENER

Dr. Chhagan Charan
Assistant Professor, ECED
NIT Kurukshetra

COURSE COORDINATORS

Dr Pankaj Verma
Dr. T. N. Sasamal
Assistant Professor, ECED,
NIT Kurukshetra

IMPORTANT DATES

- Last date for submission of filled Registration Form: **15th April, 2024**
- Confirmation to the participants (on website or by email): on or before **16th April, 2024**

Address for Correspondence:

Dr. Chhagan Charan

Convener WT-2024

**ECE Department, NIT Kurukshetra –
136119, Haryana, India**

Email: chhagan.charan@nitkk.ac.in

Phone: +918607283446



**Online Self-Financed
Short Term Course
On**

5G/ 6G Wireless Technologies

(WT-2024)

(17th – 21st April 2024)



Organized by

**Department of Electronics & Communication Engineering
National Institute of Technology Kurukshetra
Kurukshetra-136119, Haryana, India**

OBJECTIVE OF STC

This is a unique cutting edge STC that will feature exhaustive lecture modules and several PYTHON/MATLAB projects/ case-studies on the latest MIMO, Massive MIMO, mmWave, Cognitive Radio Networks, Applications of AI/ML, MIMO, NOMA technologies for 5G/6G. Also, with 5G systems being rapidly deployed around the globe, there is accelerated development of Beyond 5G (B5G) and 6G wireless technologies that break the barriers of 5G. This training will feature exhaustive tutorial style lecture modules and several intensive supervised PYTHON/ MATLAB programming modules so that participants are able to gain practical hands-on experience of working on state-of-the-art 5G/ 6G projects.

STC CONTENTS

Following topics will be covered during the training program

- Learn the latest 5G/ 6G technologies and PYTHON/ MATLAB programming via hands-on projects
- Master simulation and analysis of 5G/ 6G
 - MIMO,
 - Massive MIMO
 - mmWave MIMO
 - Cognitive Radio Networks
 - Applications of AI/ML
 - NOMA technologies in next generation systems
- Use of AI/ML in 5G/ 6G technologies
- Any other related topic

RESOURCE PERSONS

The resource persons will be from premier Institutions of India like IITs, NITs, and experts from Industries/ Govt. organizations.

WHO CAN ATTEND?

Faculty members/ research scholars/ students from academic institutes approved by the AICTE/ UGC/ MHRD and Scientists/ Engineers working in Private/ Public/ Govt. organizations/ industries etc. can attend the course. However, faculty members and research scholars engaged in Ph.D will be greatly benefited. The application should be made on the registration form and should accompany registration fee as mentioned below:

Participant's category	Registration fee*
Students/ Research Scholars	Rs. 200/-
Faculty	Rs. 500/-
Industry/ R&D / Govt. Organization	Rs. 1000/-

* **Registration fee is non-refundable.**

Registration fee includes course e-certificate.

The Registration fee is to be paid through SBI Collect. Please write the short name of STC(WT2024) in remarks during online SBI Collect payment and save a copy of payment receipt.

The brochure with registration form can be downloaded from Institute website www.nitkkr.ac.in.

How to Apply

Interested candidates can apply online by clicking the link: <https://forms.gle/Cuq5rnJxHTcPn23C8>

Participants details need to be filled and payment details be uploaded by using above link in Google Forms on or before 15th April, 2024.

Registration Deadline: 15th April, 2024.

Note: The participants need to upload (i) Proof of payment (receipt of SBI collect payment) and (ii) Signed copy of registration form by 15th April, 2024.

REGISTRATION FORM Self-Financed Online Short Term Program

5G/ 6G Wireless Technologies

From 17th – 21st April 2024

Title: (Dr./Mr./Mrs./Ms.) :	
Name (in BLOCK LETTER) :	
Qualification	
Gender (M/F) :	
Date of Birth: (dd/mm/yyyy)	
Designation :	
Organization:	
Address for correspondence:	
Phone :	
E-mail :	
Category (Please Tick) : Students/ Faculty/ Industry/R&D / Govt. Organization	
<u>Payment Details</u>	
Transaction ID/ Reference ID:	
Date of Payment:	
Amount :	
Attachment(s)	Fee Payment Receipt
Signature of applicant (with date):	

REGISTRATION FORM
Self-Financed Online Short Term Program
“5G/ 6G Wireless Technologies”
(17th – 21st April 2024)

Title: (Dr./Mr./Mrs./Ms.) :

Name (in BLOCK LETTER) :

Qualification :

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Payment Details

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Reference ID:

Date of Payment:

Amount :

Attachment

Fee Payment Receipt

Signature of applicant (with date):

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STATE BANK COLLECT

- ✓ Payments for Services to Corporates, Government and Public Sector Undertakings
- ✓ Donations to charitable & religious institutions
- ✓ Local taxes like water tax, house tax, property tax
- ✓ Payment of fees to educational institutions, hospitals and municipal corporations
- ✓ All Payments related to merchants, industry and commercial services
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B.J.B. HIGHER SECONDARY SCHOOL	All India
COEP TECHNOLOGICAL UNIVERSITY	Maharashtra



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Director NIT kurukshetra



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