

About the Institute

Jaypee Institute of Information Technology, Noida was established in the year 2001 and has been declared as a "Deemed to be University" under Section 3 of UGC Act 1956 in the year 2004. The undergraduate programs of the university have been accredited by the National Board of Accreditation of AICTE.

JIIT's state of the art, environmentally conditioned campus comprises smart buildings with Wi-Fi connectivity covering the Academic Block, Business School cum Research Block, Faculty Residences, Student Hostels, and Annapurna. Well-equipped modern laboratories and an intellectually stocked Learning Resource Centre with over 43750 books and 1.7 lacs e-resources provide a pleasant and stimulating ambience.

About the Department

The Electronics and Communication Engineering (ECE) department at JIIT runs a 4-year B. Tech. degree program in Electronics & Communication Engineering. Besides running a full-time UG program in Electronics and Communication Engineering, the Institute also runs two full-time PG programs with specializations in ECE and Microelectronics and Embedded Technology (MET). We also have a Ph. D. degree program in key areas of current technological importance. The department is committed to provide a supportive, friendly and challenging environment for teaching, learning and research.

For more info: <http://www.jiit.ac.in>

Two Week Short Term Course on

The Key Emerging Technologies for 5G Communications and Beyond (August 2nd – 14th, 2021)



Organized by:

Department of Electronics and
Communication Engineering



Jaypee Institute of Information
Technology, Noida

(Declared Deemed to be University under Section 3
of UGC Act 1956)

Coordinators:

Dr. Juhi Gupta
Dr. Reema Budhiraja

About the Programme

This Course focuses on to provide the basics, the state of the art developments and emerging techniques in 5G Communication Networks. This course will also focus on the architecture of 5G testbed, security challenges in 5G, and research trends in optical communication through a series of indigenous and invited lectures by speakers from Industry and Academia.

Key areas to be covered

- Design of 5G Testbed
- Research Trends in Optical Communication
- Security in 5G Networks
- Optimization Methods
- Internet of Things
- MIMO Wireless Communication
- Antenna Design
- RF and Microwave Circuits
- Wireless Sensor Networks
- Cognitive Radio in 5G

Objective of the Programme

- Comprehensive Study on 5G technology.
- Practical information on 3GPP model used 5G wireless communication.
- Laboratory session on Optic System and HFSS to get hands-on experience in simulating the theoretical concepts, analysing and interpreting the results.
- To enhance teaching ability with respect to content and delivery in the area of wireless communication.

Speakers

Dr Rohit Budhiraja, Associate Professor
IIT Kanpur

Dr Kushmanda Saurav, Assistant Professor
IIT Jammu

Dr Gurjit Kaur, Professor
Delhi Technological University

Mr Theepak Shoundra, Senior Power Design
Engineer, Ampleon, Austria

Dr Anil Rose, Professor
Chandigarh College of Engineering and Technology

Dr. Bhasker Gupta, Professor
Chandigarh College of Engineering and Technology

Dr Suparna Biswas, Associate Professor
Maulana Abul Kalam Azad University of
Technology, Kolkata

Dr Poonam Jindal, Assistant Professor
NIT Kurukshetra

Dr Chhagan Charan, Assistant Professor
NIT Kurukshetra

Dr Pratibha Pattnaik, Assistant Professor
NIT Silchar

Dr Tripti Goel, Assistant Professor
NIT Silchar

Dr Ajay Yadav, Assistant Professor
C V Raman College of Engineering, Orissa

Dr Vivek Rajpoot, Assistant Professor
Aditya College of Engineering and Technology,
Andhra Pradesh

Participants

Faculty of Degree levels, PG students, Research
Scholars, Practicing Engineers in Government &
Industry can attend this Short Term Course.

Important Dates

Last date for registration: **30th July, 2021.**

Registration

- The registration is free for all the participants.
- The selection will be on first come first serve basis.
- Number of seats is limited to 60.
- E-certificate will be issued to the participants on successful participation (>80% attendance).
- Google meet link and other instructions will be shared via E-mail and Whatsapp to all the registered participants.

How to Apply

Registration can be done using the link
below:

<https://forms.gle/2cL1chSCkLBqGhGZA>

Duration and Venue

The course will be held in online mode during 2nd -
14th August 2021.

Address for Communication

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