



Jaypee Institute of Information Technology, Noida

(DECLARED DEEMED TO BE UNIVERSITY UNDER SECTION 3 OF UGC ACT 1956)

Organizes a

One Week Faculty Development Program

In Association with

Anritsu India Pvt. Ltd.

On

Emerging Trends in
Microelectronics and Modern
Wireless Communication Systems



On

1st-6th July 2019

Organized By

**Electronics And Communication
Engineering Department**

Coordinators

Dr. Ashish Gupta

Dr. Bajrang Bansal

Dr. Vimal Kumar Mishra

Dr. Alok Joshi

ABOUT THE COLLEGE AND DEPARTMENT

Jaypee Institute of Information Technology (JIIT), Noida was established in the year 2001 and has been declared as a “Deemed-to-be University” under Section 3 of UGC Act 1956. 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 a well stocked Learning Resource Centre with over 43750 books and 1.7 lacs e-resources provide a pleasant and stimulating ambience.



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 Electronics and Communication Engineering (ECE) and

Microelectronics and Embedded Technology (MET). We also have Ph.D. degree program in key areas of current technological importance.

ABOUT THE PROGRAM

This FDP will focus on (a) Characterization and Simulation of advanced MOS based devices and circuits using advanced TCAD Tools and (b) Various techniques to be used in Modern Wireless Communication. Apart from that, “Hands-on Training” on software and hardware tools will be provided to all the participants. This Hands-on Experience will be helpful for addressing the various challenges in Microelectronics and Modern Wireless Communication.

The objective of this FDP is to provide a common platform to leading academicians, scientists, and research scholars to exchange knowledge and share their ideas on various aspects of Microelectronics and Wireless Communication. It also provides the premier interdisciplinary and multidisciplinary forum for researchers, practitioners and educators to present and discuss the most recent innovations, trends, concerns, practical challenges encountered and the solutions adopted in the field of Microelectronics, and Wireless Communication.

FDP HIGHLIGHTS

- Applications of Quantum dots in Electronics Devices
- TCAD tools: Theory and Demonstration
- Modeling of Nano-Transistors: FinFET, FDSOI, TFET etc.
- Fundamentals of Modern Wireless Communication
- Interference Management in 5G Communication
- Hands on Vector Network Analyzer
- MIMO in Wireless Communication
- Free Space Optical Communication

WHO SHOULD ATTEND

PG Students, Research Scholars, Faculty Member of Engineering institutions, and Industry Personnels.

SPEAKERS

Prof. Shankar Prakriya

Professor, Department of Electrical Engineering, IIT Delhi.

Prof. Neeta Pandey

Professor, Department of Electronics and Communication Engineering, Delhi Technological University, Delhi

Mr. R. K. Singh

Consultant, DUCR., University of Delhi (Former Engineer- In Chief, Doordarshan)

Mr. Amit Saini

Director, Cadre Design Systems
Noida

IMPORTANT DATES

Last date for registration is extended till 31st May 2019.

REGISTRATION

Category	Registration Fee (INR)
For all categories	2500/-

- All the participants would be provided refreshment/lunch on each day of the FDP, NO ACCOMODATION would be provided by organizers.
- Registration Fee is waived-off for participants from JIIT and its sister institutions.

NOTE:

Payment can be made online as per details given below. Scanned copy of the registration form and transaction slip should be sent through email to ashish.gupta@jiit.ac.in.

Bank Name: IDBI Bank Ltd.

Bank Account Number: 109102000007436

Beneficiary's Name: Jaypee Institute of Information Technology

RTGS/IFSC code: IBKL0000109

HOW TO REACH

The nearest railway station is Hazrat Nizamuddin. You can get a cab from here. It is about 20 kms. The nearest metro station is Sector 137 Noida. Cabs/Autos are easily available at metro station for JIIT, Sector-128, Noida.

DURATION AND VENUE

The course will be held at Jaypee Institute of Information Technology, Sector 128, Noida during 1st -6th July 2019.

REGISTRATION FORM

Full Name: _____

Designation: _____

Institution / Organization: _____

Qualification: _____

Mailing Address: _____

Contact No. (Mobile): _____

Email: _____

PAYMENT DETAILS:

Bank Name: _____

Amount: _____

Transaction ID.: _____

Date: _____

Remark: _____

Date: _____

Signature of Applicant: _____