ONE WEEK HYBRID FACULTY DEVELOPMENT PROGRAM

On

ADVANCE TECHNIQUES IN WIRELESS COMMUNICATION

July 13-20, 2023

Organized by

Department of Electronics and Communication Engineering
Jaypee Institute of Information Technology
A-10, Sector-62, Noida,
UP-201309, INDIA

PROGRAM COORDINATORS

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Last Date of Registration: July 12, 2023.

Fees for external participants: INR 500
(https://payments.cashfree.com/forms/FDPEC)

JAYPEE INSTITUTE OF INFORMATION TECHNOLOGY

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 institute is AICTE approved, NIRF (MHRD) ranked and NAAC accredited for excellence in teaching and research. JIIT's state-of-the-art, environmentally conditioned campus comprises of smart buildings with Wi-Fi connectivity. In addition, well-equipped modern laboratories and intellectually stocked Learning Resource Centre with more than 64000 books and 3.5 lacs e-Resources provide a pleasant and stimulating ambience. For more information about JIIT, please visit the website *http://www.jiit.ac.in.*

DEPARTMENT OF ELECTRONICS AND COMMUNICATION ENGINEERING

The Electronics and Communication Engineering (ECE) Department at JIIT was established in the year 2002. The department of ECE runs three full time 4-year B. Tech. degree program at UG level. The department also offers 5-year Integrated degree program in ECE and PG degree programs with specialization in wireless communication, machine learning and microelectronics. The department is having a team of highly motivated faculty members having extensive experience in industry, research as well as teaching. At present, there are around 40 research scholars involved in thrust areas such as VLSI design, 4G & 5G Technologies, machine learning, image processing, DSP architectures and many more.

FACULTY DEVELOPMENT PROGRAM

The theme of this FDP is to introduce, innovate and explore the recent trends of wireless communication, especially 5G and 6G, which are poised to revolutionize the world of connectivity. Integrating AI with wireless communication is actually paving the way for future wireless network transmission framework. Thus, the goal of this program is to enhance technical skills of our faculty members and research scholars, thereby motivating them to envision the next-generation wireless networks and to create a ubiquitous and refined digital world.

PROGRAM HIGHLIGHTS

1. Next Generation of Wireless Technology.
2. Enabling Cooperation among multiagent IoT systems.
3. RF Methodologies in Wireless Communication for Defense and Space Applications: Challenges and Opportunities.
4. Next-Generation Wireless Communication Networks: Integrated Satellite, Aerial, and Terrestrial Solutions.
5. Spectrum handoff techniques in 5G Cognitive Radio networks.
6. Big Data meets 5G.
7. Wireless Communication in Internet of Things.
8. Integrating AI in wireless communication using MATLAB.
9. Developing and Deploying wireless systems on FPGAS/SoCs.

TAKEAWAYS FROM THE FDP

1. The participants would be able to conduct research-based activities to build up strong fundamentals in wireless communication domain.
2. The faculty members can relook experiments, assignments, projects in wireless domain to recognize the gaps in attainting learning outcomes as per Bloom's Taxonomy.
3. The faculty members can design project-based learning activities to strengthen the courses in wireless communication.

WHO SHOULD PARTICIPATE

The program is open to all the faculty members/ scientists/engineers working in educational institutes/ industries/ R&D organizations.

HOW TO REGISTER

The applicants are requested to either fill the Google form: https://tinyurl.com/y65yf27r, or scan the QR code.

Scan for registration

NOTE:

1. E-certificate will be issued only to the participants having >80% attendance and marks in Quiz.
2. Google meet link and other instructions will be shared through e-mail to all the registered participants.
3. There is no participation fee for internal participants.

DISTINGUISHED SPEAKERS

Dr. Preetam Kumar
Professor,
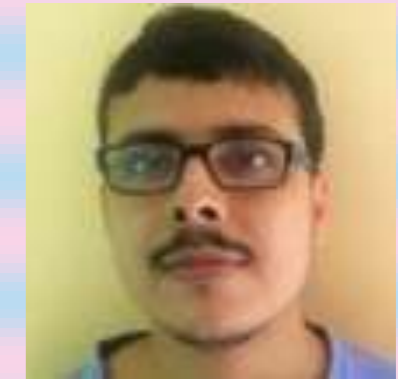**IIT Patna**

Dr. Arun Prakash
Associate Professor,
MNNIT Allahabad

Dr. Anand Agrawal
Assistant Professor,
IIIT Kota

Dr. Satendra Kumar
Assistant Professor,
IIT Patna

Dr. Praful Pai
Senior Engineer,
MathWorks India

Mr. Pratyush Roy
Engineer, Education Team,
MathWorks India

Dr. Lely
Senior Lecturer,
Universitas Tarumanagara,
Indonesia

Mr. Bhola Kumar Sahay
Researcher,
National Yang Ming Chiao
Tung University, Taiwan

Dr. Tony
Lecturer,
Universitas Tarumanagara,
Indonesia

Dr. Vinay B. Narayane
Manager-RF Design
Paras Anti-Drone
Technologies Pvt. Ltd

Dr. Sachin Agarwal
AI Head, Sony Research
India Private Limited