FIVE DAYS ONLINE FACULTY DEVELOPMENT PROGRAM

On

Electronics & Communication Technologies for Futuristic Applications

28 November- 02 December 2022

Organized by:

Department of Electronics & Communication Engineering, Ajay Kumar Garg Engineering College

(NBA Accredited)

27th km Milestone, NH-24, Delhi-Meerut Expressway, P.O. Adhyatmik Nagar, Ghaziabad – 201009, UP.
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TOPICS TO BE COVERED

- Internet of Things (IoT)
- Multiple-Input, Multiple-Output (MIMO)
- Augmented & Virtual Reality
- 5G & 6G Technologies
- Advanced Optical Wireless Communication
- Nano Technology
- Smart and Autonomous Systems
- Cyber Security
- Quantum computing
- Machine Learning & Deep Learning
- Silicon Carbide Electronics
- Cognitive Networks
- Bioelectronics

IMPORTANT DATES

Last date of Registration: 25 November, 2022

SCHEDULE

Date	Session Timings	
28.11.2022	Session-1 (10:00 AM -11:30 AM)	Session-2 (2:00 PM -3:30 PM)
29.11.2022	Session-3 (10:00 AM -11:30 AM)	Session-4 (2:00 PM -3:30 PM)
30.11.2022	Session-5 (10:00 AM -11:30 AM)	Session-6 (2:00 PM -3:30 PM)
01.12.2022	Session-7 (10:00 AM -11:30 AM)	Session-8 (2:00 PM -3:30 PM)
02.12.2022	Session-9 (10:00 AM -11:30 AM)	Session-10 (2:00 PM -3:30 PM)

Patron:

Dr. R.K. Agarwal
Director General, AKGEC

FDP Convener:

Dr. P. K. Chopra
Director, AKGEC

Coordinator:

Dr. Neelesh Kumar Gupta
HoD, ECE

Co-coordinators:

Dr. Amit Garg
Mr. Naresh Kumar
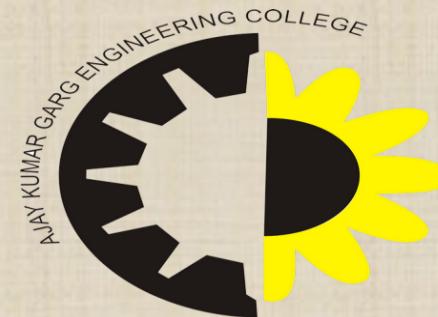**Mr. Dushyant S. Chauhan**

PARTICIPANTS

Faculty members of AICTE approved institutions, Research scholars, PG Scholars, participants from Government, Industry (Bureaucrats /Technicians/Participants from Industry etc.)/Faculty Members and staff of host institutions.

MODE OF FDP

FDP will be conducted in **ONLINE MODE**.

ABOUT AKGEC

Ajay Kumar Garg Engineering College, Ghaziabad is affiliated to Dr. A. P. J. Abdul Kalam Technical University, Lucknow and is approved by All India Council for Technical Education. The College was established in 1998 and offers B.Tech. courses in twelve disciplines of Engineering. The college also offers postgraduate course in Computer Application (MCA) and M. Tech in Computer Science & Engineering, Electronics & Communication Engineering, Electrical and Electronics Engineering and Mechanical Engineering. The College strives for academic excellence and imparts Engineering education to students with an aim to equip them with knowledge to face emerging challenges of the globalized economy.

The college has the distinction of being the only Engineering College in the state of Uttar Pradesh to have received approval from Department of Science & Technology, Government of India, for establishment of Centre of Relevance and Excellence (CORE) in the field of Automation & Robotics under the mission REACH of TIFAC. The college has also established India's first industrial robotics training Centre in collaboration with Kuka Robotics, Centre of Competence in Automation Technologies with Bosch Rexroth and Lab-view Academy in collaboration with National Instruments.

ABOUT THE DEPARTMENT

Department of Electronics and Communication Engineering at AKGEC were established in 1998. The department provides an outstanding research environment complemented by excellence in teaching. Ever since its inception, the department has been a pioneering academic Centre for higher education, research, and innovation in all major areas of Electronics and Communication Engineering.

The Electronics and Communication stream represents two fastest growing technology areas in view of exponential growth taking place in the communication networks in the country. The department is organized in tune with these latest developments in terms of curriculum well-qualified faculty and the state-of-the-art labs for B.Tech. course in Electronics & Communication

Engineering along with M. Tech. course in Electronics & Communication Engineering. Intake of B.Tech. (ECE) course is 180 students and for the M.Tech. course it is 18 students. The department has its technical Society-Phoenix and also an active IEEE Communication Society Student Chapter. The society organizes quizzes, technical seminars, mock interviews, aptitude tests and technical paper presentation etc. for the students.
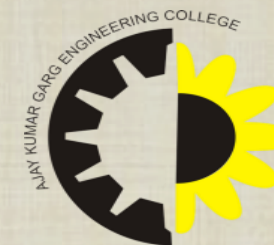
AIM & SCOPE OF FDP

This program is focused for development of faculty members and students in Science and Engineering domain and primarily targeted at those who either are pursuing or planning to do research in the wide spread area of modern communication technologies. The main objective of the program is to inculcate the fundamental understanding of the concerned subject and to develop the technological capabilities of participants up to the state-of-art of ongoing research activities throughout the globe. This will help in enabling the participants to define a research problem and develop a suitable methodology for addressing the problem.

World has seen the tremendous growth in the field of Electronics & Communication during last one decade. Undoubtedly, Electronics & Communication has crept into every sphere of human life e.g., pocket FM radio to televisions, computers, internet, mobile phones and even the high-end satellites, thus increasing its scope manifolds for mankind. Visions of futuristic Electronics & communication Technologies include internet of things (IoT), Nano electronics, artificial intelligence, machine learning and deep learning, smart and autonomous systems, cyber security, 5G, quantum computing, Silicon Carbide electronics, robotics, cognitive science, education, bioelectronics, printed electronics, gas sensing, etc.

The resource personnel for this Program are accomplished experts from organizations DU, BSNL, ALTT, BEL, JIIT and other reputed government as well as private reputed universities / colleges. The event will provide valuable exposure to the latest technological developments.

Ajay Kumar Garg Engineering College, Ghaziabad

Department of Electronics & Communication Engineering

Five Days Online Faculty Development Program

On

Electronics & Communication Technologies for Futuristic Applications
(28 November- 02 December 2022)

REGISTRATION

There will be no registration fee for attending the FDP. E-Certificates will be provided to all the participants attending all the sessions of FDP. For FDP registration participants are required to register through the below Google Form link by 25th November 2022.

Registration Link:

https://forms.gle/vqxpjKY3U65PBqVk6