

## Important Guidelines

Faculty members of the AICTE approved institutions, Research scholars, PG Scholars, participants from Government, Industry (Bureaucrats/ Technicians Participants from Industry etc.) and staff of host institutions are eligible to apply for the FDP.

**Registration Fee:** Nil

## Registration link:

<https://www.aicte-india.org/atal> OR

<https://atalacademy.aicte-india.org/signup>

## Number of seats:

Limited to maximum 200. Participants are selected by organizers on first come first serve basis.

All the participants should have Gmail account.

## Event Details:

All the sessions will be conducted through Offline & online platform. The meeting links will be sent to the selected participants through whatsapp/email. There will be an Inaugural Ceremony, 12 Technical sessions and, online test/quiz and a valedictory. An online test will be conducted by the coordinator at the end of the program.

## Resource Persons:

**Mr. Sudarshan Shindode**, Manager, Vodafone Intelligence Services, Pune

**Mr. Abuzar Siddique**, Project Management Consultant, HCL Technologies, Nagpur.

**Mr. Ashwin Kumar. G. Balani**, CEO, First Impression Technologies, Nagpur, India

**Mr. Anurag Subhash Kopulwar**, Senior Data Scientist, HCL Tech Pvt Ltd., Nagpur

**Mr. Kiran Hiwarkari**, Sr Developer, NetApp, Nagpur

**Mr. Anant Joshi**, Manager, Reliance Jio, Mumbai

**Dr. Rajeshree Raut**, Associate Professor, Government College of Engineering, Nagpur

**Dr. Pallavi Chavan**, Professor and Head, DY Patil's RAIT Nerul, Navi Mumbai

**Dr. Altaf Badar**, Assistant Professor, National Institute of Technology, Warangal, Telangana, India

**Dr. Ramchandra Mangrulkar**, Professor, Dwarkadas J. Sanghvi College of Engineering, Mumbai

**Dr. Debarati Chakraborty**, Professor, University of Hull, Kingston Upon Hull, United Kingdom

**Dr. Rizwan Ahmed**, Chief Technology Officer, DelaPlex, UK

**Mr. Santosh Bhutekar**, Senior Manager, ECI Communication, Mumbai

## Chief Patron :

**Justice (Retd.) Z. A. HAQ**

**Administrator**, Anjuman Hami -E-Islam

## Patron:

**Prof. (Dr). K. S. Zakiuddin**

**Principal**, Anjuman College of Engineering & Technology

## Coordinator:

**Dr. Mohammad Nasiruddin**

**Associate Professor, ET&C**

Email : [nasiruddin@anjumanengg.edu.in](mailto:nasiruddin@anjumanengg.edu.in)

Experience: 23years



## Co-coordinator:

**Prof. Sanjay Ganar**

**Associate Professor, ET&C**

Email : [sanjayg@anjumanengg.edu.in](mailto:sanjayg@anjumanengg.edu.in)

Experience : 23 years



## Certification:

E-Certificates will be issued by AICTE Training and Learning (ATAL) academy to participants who have attended the program with minimum 80% attendance and scored minimum 60% marks in the test.

## ATAL Academy:

AICTE Training and Learning (ATAL) Academy is established with the vision "To empower faculty to achieve the goals of Higher Education such as access, equity and quality." AICTE is committed to the development of quality technical education in the country by initiating various schemes launched by the Government of India, Ministry of Human Resource Development. The Council understands that it is the need of the hour to train the younger generation in the skill sector and to have faculty and technicians trained in their respective disciplines. Training is required to increase the knowledge and skills of students, making them more employable and enabling them to acquire global competencies

## A One Week Faculty Development Programme(FDP) on Harnessing AI Technologies for Sustainable Rural Agriculture

17<sup>th</sup> February - 22<sup>nd</sup> February, 2025

## SPONSORS



## Announcement Brochure

### Program Coordinator

**Dr. Mohammad Nasiruddin**

**Associate Professor, ET&C Department**

Organized by

Department of

**Electronics & Telecommunication Engineering**



## Anjuman College of Engineering and Technology

(Managed By: Anjuman Hami-E-Islam)

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## About the Institution

The aim of ACET is to impart excellent technical education to students of all communities in general, and to students of the minority community in particular. Other objectives of ACET include the overall development of each student's personality, instilling in them a sense of confidence, discipline, honesty, sincerity, precision, accuracy, and dedication to achieve their goals. Emphasis is also laid on imparting effective communication skills and making students realize the value of good manners and proper conduct, to help them become successful and responsible citizens. The college believes that merely acquiring a degree without these qualities may not be of much worth. To achieve the above-mentioned aims and objectives, the following academic culture has been planned for the college:

- The teaching program for every week is displayed prominently, so students are aware of the topics to be covered in the coming period and can prepare beforehand.
- The schedule of practicals and term work is announced at the beginning of the term, so that every student can complete their work on time.
- During practicals (term work, job work, and project work), the time remaining after the practical session is utilized by teachers to ensure journals are completed and to train students in viva-voce related to the experiments.
- Practical files (term work, job work, and other project work) are evaluated and assessed continuously by the respective subject teachers, and are closely monitored by the Department Heads and the Principal.
- Students who do not attend classes regularly are dealt with sternly. Their parents are informed in writing about the issue as and when necessary.
- Students are given adequate tutorials to practice at home, and the subject teacher assists them in solving their problems. Homework assignments are checked regularly in class.

Weekly seminars on English speaking are conducted in each class to help students develop better communication skills. This FDP particularly focuses on Teaching & Learning in Science, Engineering, Humanities, and Social disciplines.

## About the organizing Department

### **Vision**

To become excellent in Electronics & Telecommunication Engineering with moral & social ethics and to be globally competent.

### **Mission**

- To create conducive academic culture for learning and identifying career goals in the field of Electronics & Telecommunication Engineering.
- To impart research oriented technical education in Electronics & Telecommunication Engineering.
- To impart necessary skills and promote professional practice to enhance placement and entrepreneurship in Electronics and Telecommunication contributing to the socio- economic growth.
- To inculcate core values and ethics.

### **Department**

The Department of Electronics & Telecommunication Engineering was established in the year 1999 with an intake of 60. The department is well equipped with modern equipment's and highly advanced laboratories. Department of Electronics & Telecommunication engineering is spearheaded by highly competent, dedicated, well qualified and experienced faculties having roots with NIT. The department is providing avenues for the students to qualify themselves as good Electronics & Telecommunication Engineers and provide their contribution to the development of society and nation. Keeping in view the fast changing scenario, it is essential to develop various extracurricular skills like administrative, managerial and social. The Electronics & Telecommunication Engineering Department has formed student forum named "X-Stream". This cell helps the students to develop their extracurricular skills and provide a platform to interact with other college students and faculties. The department has organized various events like one day workshop, industrial visits, guest lectures along with one week industrial tour to develop the student in the field of special technique and modern technological practices.

### **Faculty:**

The institution boasts a highly qualified faculty with extensive experience in teaching and research, spanning Engineering, Technology, Humanities, and Sciences. Actively involved in research and consultancy, the faculty regularly publishes in reputable National and International Journals, with some members recognized for academic excellence by JNTU and other government bodies

## Course Objectives:

This one-week Faculty Development Program provides a platform for teachers and faculty to equip themselves with the necessary knowledge and applications of Harnessing AI Technologies in the domain of teaching and learning. This program focuses on exploring various opportunities and challenges in promoting eco-friendly and resource-efficient modern technological practices. In teaching, Harnessing AI Technologies are being adopted to transform the special technique and modern technology towards a more environmentally responsible and energy-efficient system. Today, the teaching and learning process has expanded to include innovative AI techniques and various technologies, which can make the Sustainable Rural Agriculture more socially responsible if utilized effectively.

Last date for online Registration	5 <sup>th</sup> February,2025
Date of intimation to the selected candidates (by Email or phone)	6 <sup>th</sup> February,2025
Confirmation from the participants (by Email/Phone)	7 <sup>th</sup> February,2025

## Tentative Topics to be covered

- Introduction to use of Technologies in Rural Agriculture.
- Employing Smartness in Agriculture: Present & Future.
- Role of AI focusing sustainable growth in rural development.
- Utilizing AI for demand prediction and inventory management.
- Internet of Things (IoT) for Smart Precision Agriculture
- Multi sensors IOT network for smart sensor agriculture
- Cognitive Radio Wireless Sensor Networks for Smart Agriculture
- Role of IOT in Disaster Management.
- AI driven market forecasting and price prediction for agriculture.
- Automated Smart Agriculture using AI and Machine Learning.