



AICTE Training and Learning (ATAL) Academy

Sponsored

One Week

Online Faculty Development Program on
"Advancements in Artificial Intelligence and Machine Learning for Modern Engineering Solutions"



Kakatiya University, Warangal

Organized by

University College of Engineering, Kothagudem

27th January, 2025 to 1st February, 2025



About Work shop:

This Faculty Development Program (FDP) focuses on advancements in AI and ML, aiming to enhance teaching and research capabilities in Engineering applications. Participants will engage in hands-on sessions and expert talks to explore cutting-edge AI/ML techniques and their applications to real-world problems.

** Free Registration**

Eligible candidates for the course include faculty members, Ph.D. scholars, postgraduate students from AICTE-approved technical institutions, and industry professionals. Interested candidates can register on or before 18th January 2025 through the registration link <https://atalacademy.aicte-india.org/login>

Certificate will be issued by **AICTE -ATAL**

Chief Patron

Prof.K.Pratap Reddy

Vice-Chancellor,
Kakatiya University, Warangal.

Patron

Prof. Malla Reddy Perati

Registrar,
Kakatiya University, Warangal.

Chair Person

Dr. T. Jaganmohan Raju

Principal, University College of Engineering, Kothagudem.

Coordinator

Dr. M. Sadanandam, Professor of CSE & Dean, UCE, Kothagudem, Kakatiya University.

Co-coordinators

Dr. T. Jaganmohan Raju, Associate Professor and Principal, Department of EEE, UCE, Kothagudem.

Dr. K. Kishor Kumar, Associate Professor, Department of CSE, UCE, Kothagudem.

Organizing Committee

Dr. T. Archana, Assistant Professor and BOS Chair Person, UCE, Kothagudem.

Dr. K. Padmaja, Assistant Professor of CSE, UCE, Kothagudem.

K. Sravanthi, Assistant Professor of CSE, UCE, Kothagudem.

Dr. E. Harikrishna, Assistant Professor of ECE, UCE, Kothagudem

Dr. B. Srikanth, Assistant Professor of ECE, UCE, Kothagudem

Dr. K. Punnamchandrar, Assistant Professor of ECE, UCE, Kothagudem

Dr. K. Cheena, Assistant Professor of EEE, UCE, Kothagudem

Dr. V. Ramu, Assistant Professor of EEE, UCE, Kothagudem

IMPORTANT DATES: Last date for registration **18.01.2025**. Selection mail will be sent on or before **20.01.2025**

Contact Details:

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AICTE

Training And Learning Academy (ATAL)

Online

A One Week

Faculty Development Programmer

On

“Advancements in Artificial Intelligence & Machine Learning for Modern Engineering Solutions”

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Organized by

Department of Computer Science & Engineering

University College of Engineering

KAKATIYA UNIVERISTY

KOTHAGUDEM

About College



The Government of Andhra Pradesh, realizing the popular demand for enhancement of facilities for engineering education, adopted a far-reaching and progressive policy of encouraging philanthropic organizations to establish and manage technical institutions without straining the already meager financial resources of the state. As a consequence of such a policy decision, University College of Engineering was established in the year 1978 as a constituent college of Kakatiya University, which is located 7 km away from Kothagudem in Bhadradi Kothagudem district. This University College of Engineering had substantially improved its infrastructural facilities, added new B.Tech programmes, and attracted academicians of proven competence onto its faculty. The alumni of this institute are placed in reputed organizations all over India and the world and have gained recognition among academic circles.

The University College of Engineering, Kakatiya University (UCE-KU), (erstwhile Kothagudem School of Mines) has 390.21 acres of land. UCE offers B.Tech programmes in 05 disciplines at the UG level, i.e., B.Tech. (CSE, EEE) in 1996 and B.Tech. (ECE and INF) in 2011, in addition to the existing Mining Engineering. All five B. Tech programmes are approved by the All-India Council for Technical Education, New Delhi, with Institute P-Id: 1-494515831. The AISHE Code of the University College of Engineering is C-27616.

About Computer Science & Engineering

The Department of Computer Science and Engineering started in the year 1995-1996 to impart quality education for aspiring Computer Science and Engineering students. The Department has 05 Regular Faculty (03 with Doctorate Degrees, 02 Associate Professors, 03 Assistant Professors), 02 Academic Consultants, part-time faculty (as per need), and Guest Faculty (as per need) to provide comprehensive education. The students are admitted through the state-level entrance test (TS EAMCET/TSECET) with an annual intake of 40+20 (SF) students. The course offered is approved by AICTE, New Delhi, with Permanent Institution ID 1-494515831.

From the commencement of the course, the department has seen over 800 students graduate. The alumni of this department are working in various Public Sector Undertakings (PSUs) and multinational corporations (MNCs) both within the country and abroad. The department has consistently focused on updating its curriculum to keep pace with the rapidly evolving field of Computer Science, ensuring that graduates are well-equipped with the necessary skills and knowledge. In addition, the department actively engages in research and development activities, contributing to the academic community through publications and projects. It also encourages students to participate in internships, workshops, and seminars to enhance their practical knowledge and industry readiness.

About ATAL

The AICTE Training and Learning (ATAL) Academy was established by the All-India Council for Technical Education (AICTE) with the goal of providing high-quality training programs to enhance the teaching and learning skills of faculty members in engineering and technical institutions across India. ATAL focuses on equipping educators with advanced knowledge and skills in emerging areas of technology and research. Through its Faculty Development Programs (FDPs), ATAL aims to foster innovation, encourage research, and promote a culture of continuous learning among educators. The academy offers a wide range of courses in cutting-edge fields such as Artificial Intelligence, Data Science, Cybersecurity, and many more, helping educators stay updated with the latest trends and technologies.

About Faculty Development Program

This Faculty Development Program dives into the forefront of Advanced Computing technologies, focusing on Supercomputing, Artificial Intelligence (AI), and Quantum Computing—three revolutionary areas that are driving the future of technology. Over six immersive days, participants will engage in expert-led sessions that cover cutting-edge advancements, practical applications, and emerging trends in these transformative fields. The program is designed to provide a deep understanding of how these technologies are reshaping industries, from healthcare to finance to education. Through a blend of theoretical insights, hands-on workshops, and collaborative discussions, participants will acquire the knowledge and skills needed to integrate these technologies into their teaching and research. This FDP is ideal for educators and researchers eager to stay ahead of the curve, expand their expertise, and contribute to the next wave of technological innovation.

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Assistant Professor of EEE, UCE

Dr. V. Ramu

Assistant Professor of ECE, UCE

Important Guidelines

FDP Registration Fee: FREE

Registration Last Date: 18-01-2025

Date of Intimation to the selected Candidate: 20-01- 2025

Confirmation from participants (Email / Phone) by: 22-01-2025

How to Register:

- Visit: <https://atalacademy.aicte-india.org/login>
- Sign up with your email ID. If you're already registered, just log in.
- Go to the "Workshops/FDPs" section.
- Select "ATAL" under type and choose "December" in the month dropdown.
- Look for ". Advanced Computing (Supercomputing, AI, Quantum Computing)"
- Click the red plus sign to register.
- A message saying "successfully course registered" will appear.
- You can check your registration by clicking on "Applied Workshops" after you've registered.

Number of Seats: 100 (first come, first served)

Eligible for e-Certificate:

- A test will be given by the coordinator at the end of the program.
- e-Certificates will be awarded to participants who **attend at least 80%** of the program and **score at least 60%** on the test.

Contact Details:

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- Dr. K. Kishor Kumar
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Mobile:+91 9441777820

Atal Faculty Development Program Schedule

DAY 1: 27-01-2025

6:00PM to 6:30PM	Inaugural Session
6:30PM - 8:00PM	Introduction to AI and ML in Engineering

DAY 2: 28-01-2025

6:00PM - 7:30PM	Data Pre-processing and Feature Engineering
7:30PM - 9:00PM	Supervised Learning Techniques

DAY 3: 29-01-2025

6:00PM - 7:30PM	Unsupervised Learning Techniques
7:30PM - 9:00PM	Reinforcement Learning Fundamentals

DAY 4: 30-01-2025

6:00PM - 7:30PM	Introduction to Deep Learning
7:30PM - 9:00PM	Convolutional Neural Networks (CNNs)

DAY 5: 31-01-2025

6:00PM - 7:30PM	Recurrent Neural Networks (RNNs) and LSTMs
7:30PM - 9:00PM	Generative Adversarial Networks (GANs)

DAY 6: 01-02-2025

2:00PM - 3:30PM	Natural Language Processing (NLP)
3:30PM - 5:00PM	AI in Robotics and Automation