

About FDP

The proposed faculty development programme (FDP) on “Emerging Trends in Machine Learning and AI” is highly relevant to today’s educational and industrial requirements. With rapid technological advancements, it is critical for educators to stay abreast of the latest trends in machine learning and AI to effectively prepare students for the growing demand in the technical market. This FDP offers faculty members an opportunity to enhance their knowledge and skills in the latest techniques, algorithms, and applications within the field. By exploring emerging trends such as machine learning, deep learning, natural language processing, and ethical AI, participants can not only enrich their teaching methods but also foster inter-disciplinary collaborations. Moreover, preparing faculty members with expertise in emerging trends allows institutions to maintain a competitive environment, attract top talent, and contribute meaningfully to the advancement of knowledge and innovation in machine learning and AI.

Program Objectives

- To acquire knowledge about machine learning and AI for various problem-solving domains.
- To enable faculty members to teach courses and conduct research that involves hands-on exercises on ML/AI.
- Collaborating with experts in the field can lead to joint research projects, publications, and exposure to diverse perspectives.
- To design value-added courses that align with industry demands and technological advancements in ML and AI.

Expected Outcomes

After completion of this FDP, the participants will be able to:

- gain expertise in applying machine learning/AI techniques to solve complex problems.
- involve pedagogical strategies for integrating machine learning/AI concepts into the curriculum.
- enhance the ability to incorporate machine learning/AI principles into research and teaching practices.
- foster interdisciplinary collaborations across various departments and institutions.



Organizing Committee

Chief Patrons

Prof. (Dr.) J. P. Pandey
VC, AKTU

Shri. Suneel Galgotia
Chairman, GEI

Patrons

Dr. Dhruv Galgotia
CEO, GEI

Prof. (Dr.) Mohd. Asim Qadri
Director, GCET

Program Advisor

Prof. (Dr.) Brijesh Singh
Dean Academics, GCET

Coordinator

Prof. (Dr.) Pushpa Choudhary
HOD CSE & Allied
Specialized Branches

Co-Coordinators

Dr. Sachi Gupta
Professor, CSE

Dr. Vandana Rani Verma
Associate Professor, CSE

Target Audience

Assistant Professors/ Associate Professors/
Professors from the affiliated institutes of AKTU.

Important Dates

Date of FDP: 5th to 9th August 2024
Start Date of Registration: 27th June 2024
Last Date of Registration: 15th July 2024



A Five Days FDP

on

Emerging Trends in Machine Learning / AI

(Under Research and Development Initiative)

Sponsored by

Dr. A.P.J. Abdul Kalam Technical University (AKTU),
Lucknow



August 5th - 9th, 2024



Organized By:

Department of Computer Science and Engineering
(Accredited By NBA)

Galgotias College of Engineering and Technology
(Affiliated to Dr. A.P.J. Abdul Kalam Technical University, U.P.)

Knowledge Park-II, Greater Noida - 201310

www.galgotiacollege.edu



About The Institute

Galgotias College of Engineering & Technology (GCET) was established through the visionary efforts of Mr. Suneel Galgotia and the Smt. Shakuntla Educational and Welfare Society. Mr. Suneel Galgotia, a stalwart visionary, dedicated himself to providing world-class technical and management education. Serving as the founder Chairman, Chancellor of Galgotias University and Managing Director of Galgotias Publications Pvt. Ltd., New Delhi, his commitment remains unwavering. The Galgotias College of Engineering & Technology holds approval from the AICTE, Ministry of HRD, Government of India and is affiliated with Dr. A.P.J. Abdul Kalam Technical University (AKTU), Lucknow. Since its establishment in 2000, Galgotias College of Engineering & Technology has been instrumental in harmonizing theoretical knowledge with practical skills, fostering comprehensive professional proficiency. Its exemplary contributions have garnered national and international recognition, solidifying its status as a premier institution renowned for imparting high-quality education. With architecturally impressive academic buildings, secure and comfortable hostels for Girls and Boys, cutting-edge seminar and conference facilities, comprehensive indoor and outdoor sports amenities and a vibrant multi-cuisine cafeteria, our campus offers an enriching environment conducive to holistic development and scholarly pursuits."

Registration

- Registration fee Rs. 500/- per person.
- Registration will be based on "first come first serve".
- Mode of Conduction: Offline
- Attendance in all the session is compulsory.
- During registration, join the WhatsApp group via the provided link for all FDP-related communications.

Contact Us

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FDP Key Contents

- Implementation of ML Models.
- Mathematical Principles in Artificial Intelligence and Machine Learning.
- Deep Learning: Concepts, Implementation Strategies and Applications.
- Optimization based DL algorithm for speech emotion recognition.
- Monte Carlo methods in Deep Learning.
- NLP: Connecting Human Communication and AI.
- Content Tampering and Deepfakes: Societal Impacts of Malicious Multimedia Manipulation.

Resource Persons



Dr. Vineeta Khemchandani
Professor & Dean, Galgotias University



Dr. Dinesh Kr. Vishwakarma
Professor, DTU



Dr. Sarfaraz Masood
Associate Prof, Jamia Millia Islamia



Dr. Sanjeev Kumar
Professor, UPES



Dr. Nonita Sharma
Associate Prof., IGDTU



Dr Rashmi Singh
Professor, Amity University



Dr. Sarika Agarwal
Director, Institute of Learning



Dr. Gaurav Agarwal
Associate Prof., Galgotias University



Dr. Gaurav Singal
Assistant Professor, NSUT



Dr. Shachi Sharma,
Assistant Professor, SAU

About The Department

The Department of Computer Science and Engineering focuses on offering world-class teaching and learning environments for technical education and research in the field of modern computer science. The Department of Computer Science and Engineering is affiliated with Dr. Abdul Kalam Technical University, Lucknow, Uttar Pradesh, and follows the curriculum prescribed by the university. The department has a unified and dedicated team of faculty members from IITs, NITs, central universities of India and abroad universities with ample knowledge in cutting-edge technologies and research in the areas of Artificial Intelligence, Data Science, Machine Learning, Deep Learning, Data Mining, Cloud Computing, Image Processing, High Performance Computing, etc. The department has various labs, like AI and ML Lab, Data Science Lab, Project & Research Lab, etc. The department has a comprehensive framework for student engagement through regular interactions, industrial visits, regular feedback mechanisms, and associations with student professional societies and chapters. The department is motivating students to publish research papers in SCI and Scopus journals on advanced and emerging research topics, which can be related to their mini projects or final year projects. It empowers students to broaden their horizons and instills the right mindset, ethical values, and talents by helping them to achieve their goals and strive continuously to become conscientious citizens in the future.

Account Details

(to pay registration fee through UPI/NEFT/IMPS:)

Name of The Account: GALGOTIAS COLLEGE OF ENGINEERING AND TECHNOLOGY
Account Number : 6420000100006852
Account Type : Saving Bank Account
Payee Bank : PUNJAB NATIONAL BANK
Address of Branch : Punjab National Bank ,Sector-63, GAUTAM BUDDHA NAGAR, 201301, UP
IFSC Code : PUNB0671700
Swift Code : PUNBINBBMSN

Online Link for Registration

(Be ready with the transaction slip, while doing registration.)

<https://forms.gle/7Y6wbXqukFc5o8Li9>