

One Week Online Faculty
Development Programme
on
**“Artificial Intelligence,
Machine Learning and Data
Science with Research
Applications”**
(21st - 26th July 2025)



Resource Persons

Experienced faculty from prominent universities, premier institutions, industry experts and host institution

CHIEF PATRONS

Sri. Marri Laxman Reddy - Chairman
Sri. Marri Rajashekar Reddy - Secretary
Smt. Marri Mamatha Reddy - Treasurer
Ms. Marri Shreya Reddy - Director

PATRON

Dr. K. Srinivas Rao- Principal

CONVENER

Dr. A. Balaram - Professor & HoD- CSE

COORDINATOR

Dr. Ajmeera Kiran – Asst. Prof. – CSE

FACULTY CO- COORDINATORS

Dr. N. Shirisha – Assoc. Prof. – CSE
Dr. K. Venkata Subbaiah- Professor-CSE
Dr. D.B.K. Kamesh- Professor-CSE
Dr. K. Chinnaiah- Professor-CSE
Dr. V. Thrimurthulu – Professor - CSE
Dr. K. Gagan Kumar- Assoc. Professor- CSE
Dr Raveendra Nadh B- Assoc. Prof. - CSE

ADVISORY COMMITTEE

Dr. V. Radhika Devi, Head-IQAC
Dr. M. Satyanarayana Gupta, HoD-AERO
Dr. P. Subhashini, HoD-CSE_Data Science
Dr. K. Sai Prasad, HoD - CSE-AIML
Dr. S. V. S. Prasad, HoD-ECE
Dr. Ashok Kumar Cheeli, HoD-EEE
Dr .Ch. Achi Reddy, HoD- H & S
Dr. N. V. RajaSekhar Reddy, HoD-IT
Dr. M. V. Narasimha Rao, HoD-MBA
Prof. M. Venkateswar Reddy, HoD-MECH
Dr. T. Arun Kumar, Dean- R&D

ORGANIZING COMMITTEE

All faculty members of Department of CSE.



One Week Online Faculty
Development Programme
on

**“Artificial Intelligence,
Machine Learning and Data
Science with Research
Applications”**
(21st - 26th July 2025)



DEPARTMENT OF
COMPUTER SCIENCE AND ENGINEERING

**MLR Institute of Technology
(An Autonomous Institution)**

(Approved by AICTE, New Delhi,
Affiliated to JNTU, Hyderabad)
ACCREDITED BY NBA and NAAC)

<https://mlrit.ac.in>



ABOUT THE INSTITUTE

MLR Institute of Technology (MLRIT) is known for its integrated curriculum with equal importance to academics, employable skills & sports. MLRIT is located at Dundigal, Hyderabad, Telangana, India. The institution was started in 2005 by the KMR Education Trust, founded by Mr. Marri Laxman Reddy. The institute has 9 UG courses along with 5 PG Courses. The institute is affiliated with Jawaharlal Nehru Technological University, Hyderabad (JNTUH). It was granted Autonomous status by University Grants Commission (UGC - India) in the year 2015. MLRIT is imparting higher education in the fields of Computer Science and Engineering (CSE), CSE-Artificial Intelligence and Machine Learning, CSE- Data Science, Computer Science and Information Technology, Electronics Communication Engineering (ECE), Mechanical Engineering (ME), Aeronautical Engineering (AE), Information Technology (IT), Master of Business Administration (MBA).

ABOUT THE DEPARTMENT

The B. Tech program in Computer Science and Engineering was started in the year 2005 with an intake of 60, increased to 120 in 2007, 180 in 2012 and 240 in 2013, 420 in 2024. Besides, an additional 10% seats are under lateral entry scheme. The department is also offering M. Tech program in Computer Science and Engineering from the year 2011, with an intake of 18. The B. Tech (Computer Science and Engineering) program accredited by the National Board of Accreditation (NBA) since 2008.

The department has highly qualified faculty with excellent research publication and well-equipped labs. The department has collaboration with reputed industries and research development organizations. The department

offers seminar and guest lectures, apart from it, to improve the employability and soft-skills the department conducts regular training in soft-skills throughout the year.

OBJECTIVES OF THE PROGRAMME

This FDP focus on fundamental concepts and techniques related to Machine Learning, Deep Learning, Big Data, IoT and Data Science. The primary objective of this one-week Faculty Development Program (FDP) on Research Applications in Artificial Intelligence and Machine Learning was to enrich faculty members of Computer Science stream with preliminaries of artificial intelligence and its modern applications in machine learning and deep learning. The FDP was divided into several modules falling under the umbrella of Artificial Intelligence including Machine Learning, Deep Learning, Data Science, Natural Language Processing and Digital Image Processing. The objective was to address modern trends in the field of Artificial Intelligence with real time problem solving. This FDP focused on hands-on implementation of various algorithms to deliver practical skill to participants.

OUTCOMES OF THE PROGRAMME

The primary goal of the FDP is to equip educators and researchers with an extensive grasp of the real-world implementations of Artificial Intelligence (AI), Machine Learning (ML) and Data Science (DS). Throughout the program, participants will gain in-depth insights into the practical applications of these cutting-edge technologies, enabling them to effectively integrate AI, ML and Data Science concepts into their teaching, research, and professional endeavors. By the end of the program, attendees will possess a comprehensive understanding of how AI and ML can be harnessed to address complex challenges across various domains, thus empowering them to contribute meaningfully to advancements in these fields.

- Artificial Intelligence and Applications
- Introduction to Learning Techniques with a Case Study of Supervised Learning using Python
- Various Unsupervised Learning Techniques with detailed discussion on Clustering Techniques and a Case Study
- Time Series Analysis and Object Detection in TensorFlow
- Scrapping, Preprocessing and Analyzing Textual Data using
- Python Medical Image Analysis using ML
- Exploring Reinforcement Learning
- Introduction to Generative AI
- Research Methodology

Certificate: E-Certificates will be awarded to the participants who have above 5% attendance.

ADDRESS FOR COMMUNICATION

Dr. Ajmeera Kiran
Co-Ordinator and Assistant Professor
Department of Computer Science and Engineering, MLR Institute of Technology, Dundigal Police Station Road, Hyderabad, Telangana 500043.
Ph. No: 9908222913.
Email Id: csefdp@mlrit.ac.in, ajmeerakiran@mlrinstitutions.ac.in

REGISTRATION DETAILS

Eligible participants are requested to fill the online registration form on or before 17/07/2025.
<https://forms.gle/LVzECmnk1A1JbsGy7>

FDP Timings: 10:00AM – 15:30PM.

For any queries,

Contact:

Dr. Ajmeera Kiran, Assistant Professor, CSE

Mobile: 9908222913

Dr Raveendra Nadh B, Assistant Professor, CSE

Mobile: 9700815824