Muffakham Jah College of Engineering & Technology

Vision: To be part of the universal human quest for development and progress by contributing high calibre, ethically and socially responsible engineers who meet the global challenge of building a modern society in harmony with nature.

Muffakham Jah College of Engineering and Technology (MJCET) was established in the year 1980 by Sultan-UI-Uloom Education Society (SUES). Today, it is a premier institute, offering B.E. Courses in Branches (CSE, CSE(AI), CSE (AI & ML), CSE(DS), CSE (AI & DS), ECE, Civil & Mechanical Engineering) and four ME Courses (CSE, Embedded Systems and VLSI design, CAD/CAM, and Structural Engineering) of two years duration. Currently, MJCET has 5 Research Centers and 67 research scholars are pursing PhD from the campus. The college is affiliated to Osmania University, Hyderabad and approved by AICTE. It was accredited by NBA in 2002 for five years and re-accreditation of NBA is in process. It has been ranked with A+ grade by NAAC. MJCET has been Ranked in the 150-200 band by NIRF in the innovation category for the year 2023. It is considered among the top 100 private Engineering Colleges of the country and among the Top 5 Engineering Colleges in Hyderabad.

Computer Science & Artificial Intelligence Department

Vision: To contribute competent Computer Science and Artificial Intelligence professional to the global pool to meet the constantly evolving societal needs.

Mission: Mentoring students towards a successful professional career in a global environment through quality education and soft skills in order to meet the evolving societal needs.

Established in the year 2020-2021, the Computer Science & Artificial Intelligence department currently offers three programs BE CSE(AI), BE CSE(DS) & BE CSE (AI & ML) each of intake 60. The department endeavors to offer students, a strong foundation of Computer Science through various core courses and rich exposure to the cutting-edge technologies in the ever- evolving job market. To cater to these goals, department has state of the art computing facilities suitable for emerging technologies and is supported by well-experienced faculty members and non-teaching staff. The department has signed MoUs with several industries to keep students abreast of latest technological advancements and overall development. The department regularly organizes Datathons, Hackathons, Workshops, Seminars and other technical events under Students Professional Chapters such as IEEE SMC, IEEE GRSS, AWS Cloud Club etc.

Chief Patrons

Janab Mohammed Waliullah, Chairman, SUES
Janab Zafar Javeed, Honorary Secretary, SUES

Patron

Dr. Mahipal Singh Rawat, Principal, MJCET

Co-Patron

Dr. Syed Ferhathullah Hussainy, Professor & Dean, MJCET

Convenor & Coordinator

Prof. Uma N. Dulhare, Head, CS & AI Dept., MJCET

Co-Coordinator

Dr. Md Asrar Ahmed, Assoc. Head, CS & AI Dept., MJCET

Organizing Committee

Mrs. Ayesha Mariyam, Asst. Professor, CS & AI Dept.
Mr. Mohd. Abdul Khader, Asst. Professor, CS & AI Dept.
Mr. Mohd Abdul Rahman, Asst. Professor, CS & AI Dept.
Mrs. Sara Tabassum, Asst. Professor, CS & AI Dept.
Ms. Ayesha Siddiqua, Asst. Professor, CS & AI Dept.
Mr. Momin Mahaboob Ali, Asst. Professor, CS & AI Dept.
Ms. Khair Unnisa Naaz, Asst. Professor, CS & AI Dept.

For further details contact:

Prof. Uma N. Dulhare, Head, CS & AI Dept.
Mobile: 9603225511, Email: uma.dulhare@mjcollege.ac.in

Dr. Asrar Ahmed, Associate Head, CS & AI Dept.
Mobile: 9704446617, Email: asrar.ahmed@mjcollege.ac.in

Mrs. Ayesha Mariyam, Asst. Professor, CS & AI Dept.
Mobile: 9966754272, Email: ayesha.mariyam@mjcollege.ac.in

Mr. Mohammed Abdul Khader, Asst. Professor, CS & AI Dept.
Mobile: 8374127418, Email: abdulkhader@mjcollege.ac.in

NATIONAL LEVEL

AICTE-Training and Learning (ATAL) Academy Program

Faculty Development Program (FDP)
on
Artificial Intelligence
in
Data Science Applications

13-19 December 2024
(Online Mode)

Organized By

Computer Science & Artificial Intelligence Department

MUFFAKHAM JAH COLLEGE OF ENGINEERING & TECHNOLOGY

Road No. 3, Banjara Hills, Hyderabad - 500 034, Telangana
Affiliated to Osmania University, Approved by AICTE, Accredited by NAAC with A+ Grade

www.mjcollege.ac.in   https://maps.app.goo.gl/6xNZKuz35CaVsPsq7

About ATAL Academy

AICTE Training and Learning (ATAL) Academy is established with the vision "To empower faculty to achieve 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 Govt. of India, Ministry of Human Resource Development. The council understands that there is a need to train the young generation in the skill sectors and also get faculty & technologists trained in their respective disciplines. Training is required for increasing the knowledge and skills of students to make them employable by acquiring competencies.

About FDP

The Faculty Development Program aims to offer theoretical and hands - on exposure to Artificial Intelligence in Data Science Applications. It is an intensive training program designed to enhance faculty member's and industry professional's knowledge and skills in AI and Data Science. This 6-days program combines demonstrations lectures, and hands-on sessions to cover fundamentals of AI, Machine learning, Deep Learning, Data Visualization, Generative AI (LLM) in Data Science applications. Participants will learn popular AI libraries and frameworks, design and implement data science projects, and develop predictive models and data visualization. The program aims to equip faculty with expertise to teach AI and data science courses effectively, conduct research, and collaborate with industry partners. This FDP fosters industry-academia collaboration, knowledge sharing, and networking among participants from diverse disciplines.

Objective of FDP

- Comprehend the fundamentals of Artificial Intelligence (AI), Machine Learning (ML) and Deep Learning (DL) concepts, algorithms, and techniques.
- Understand the application and limitations of AI in Data Science, including data preprocessing, feature engineering, and model evaluation.

- Familiarize with popular AI libraries and frameworks (e.g., TensorFlow, PyTorch, scikit-learn) and their applications.
- Learn advanced AI techniques, such as Natural Language processing (NLP) and Computer Vision.
- Train faculty members to deliver effective lectures, build out-of-box assignments and projects on AI and Data Science, develop research projects or collaborative research proposals in AI and Data Science to foster industry-academia collaborations with potential research funding opportunities.

Major Course Contents

- Artificial Intelligence Evolution
- Dimensionality Reduction
- Supervised Algorithm
- Unsupervised Algorithm
- Optimization Techniques
- Data Visualization using Tableau & Power BI
- Large Language Model (LLM)
- AI in Multidisciplinary Applications
- AI for Cybersecurity

FDP Outcomes

Upon completing the FDP, participants will be able to:
- Empower faculty to lead AI education & research.
- Gain strong foundation in theoretical and practical skills in AI, DS & ML.
- Develop AI-driven solutions across various inter disciplinary fields.
- Fostering industries collaborations and innovation in AI and DS

Resource Persons for FDP Sessions

The resource persons to offer this FDP sessions in online mode have been drawn from Foreign Universities, premier institutes in India such a IITs, NITs, Central Universities and Industries to give the participants a rich learning experience in the field of AI and Data Science.

Resource Persons Information

- Prof. Essam Hussain, Minia University, Egypt
- Prof. R. B. V. Subramanyam, Professor, NIT Warangal
- Mr. Bala Prasad Peddigari, Chief Innovation Officer, TCS
- Dr. M. Srinivas, Assistant Professor, NIT Warangal
- Dr. Naresh Babu Muppalaneni, Associate Professor, Dept. of CSE, IIITDM Kurnool
- Mr. Ganesan Sivarama Krishna, D-tek, Bio-Tech, Mons, Belgium
- Dr. Sushil Kumar, Assistant Professor, NIT Kurukshetra
- Mr. M. Kumar, Scientist E, C-DAC, Ministry of Electronics & IT, Govt. of India.
- Dr. Pradeep Kumar, Professor & Head, CS & IT Dept., MANUU
- Dr. B Vishnu Vardhan, Sr. Professor, JNTUH, UCESTH
- Mr. Madhu Vadlamani, Sr. Manager, Miracle Software Systems Inc.
- Mr. Sai Pavan Velidandla, CAIO, Brainovision

Registration Information

- No Registration Fee
- Selection as per AICTE - ATAL guidelines and first-come first-serve basis.
- Registration Deadline: Dec 10th, 2024
- Participants can register for this FDP at: https://atalacademy.aicte-india.org/
- Steps to Register:
  1. Sign up as a participant and fill in your details.
  2. Go to FDPs → ATAL → December → ENGINEERING → Online. (Tip: Use Ctrl+F and search for FDP Application No. 1730991965)
  3. Select the Institute: "MUFFAKHAM JAH COLLEGE OF ENGINEERING & TECHNOLOGY"
  4. Upload the NOC and register for the FDP "Artificial Intelligence in Data Science Applications" (Application No. 1730991965).

Who should Attend: Academia/ Ph.D. Scholars/PG Students from AICTE approved Institutions, and Professionals from IT industry.

NOC Letter Template link: https://tinyurl.com/etj6hfcc

Schedule of FDP link: https://tinyurl.com/y49rcd68

Mode of delivery: Online