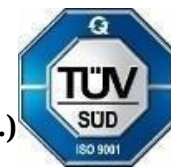




MADANAPALLE INSTITUTE OF TECHNOLOGY & SCIENCE (Deemed to be University)



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A Report on Workshop on “AI/ML Launchpad: Discover Careers and Build Your First Project” Organized by Department of Computer Science & Engineering – Artificial Intelligence Date: 30.10.2025



Report Submitted by: **Mr. Toralkar Pawan**, Assistant Professor, Department of CSE–Artificial Intelligence.

Venue: Scaleup Class Room, MITS Madanapalle

Time: 10:00 AM to 5:00 PM

Duration: 3 Hours

Mode of Conduct: Offline

Targeted Audience: B.Tech CSE–AI Students

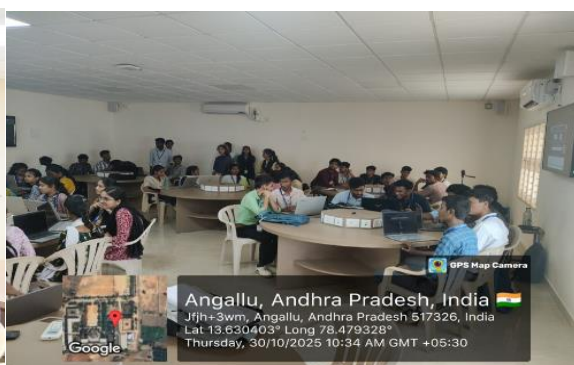
Number of Participants: 55

Objectives of the Program:

- To introduce students to the fundamentals and applications of Artificial Intelligence and Machine Learning.
- To provide a roadmap for students aspiring to pursue careers in the AI/ML domain.
- To help participants understand essential ML tools, libraries, and project implementation strategies.
- To encourage peer-led learning and knowledge sharing through hands-on demonstrations and discussions.

Report Summary:

The Department of Computer Science & Engineering (Artificial Intelligence), MITS (Deemed to be University) organized a workshop titled “AI/ML Launchpad: Discover Careers and Build Your First Project” on 30th October 2025. The event was graced by the presence of **Dr. R. Kalpana**, Head of the Department, CSE–AI, and **Dr. K. Chokkanathan**, Associate Professor, who encouraged and appreciated the student speakers for their initiative and enthusiasm. The workshop was conducted by six dynamic second-year students from B.Tech CSE–AI (C Section), Mandla Puneeth Kumar, Pasala Praveen Kumar, Yeturi Praneeth Kumar, Poojitha Kethi Reddy, Illuri Sai Saradhi Reddy, and Srisailam Prajvalitha. Their aim was to introduce peers to the fundamentals of Artificial Intelligence and Machine Learning, while also providing a career roadmap for those interested in pursuing the field professionally.



The session commenced with a brief introduction and welcome address. The speakers explained the AI/ML career roadmap, helping students understand different roles and pathways in AI, Data Science, and research. They provided an overview of Python programming (Basics to Advanced) and demonstrated the use of major ML libraries such as NumPy, Pandas, Matplotlib, and Seaborn. The speakers also elaborated on the Machine Learning Pipeline, detailing steps such as data preprocessing, model training, evaluation, and deployment. A practical demonstration was given through an ML Mini Project titled “Weather Prediction”, which illustrated how to implement a Linear Regression model to solve a real-world problem.

Furthermore, the workshop included a session on Data Visualization using Power BI, emphasizing the importance of presenting insights clearly and effectively. The workshop maintained an interactive atmosphere, with students actively participating in discussions, clarifying doubts, and expressing interest in pursuing AI/ML projects. The session concluded with a Vote of Thanks delivered by **Mr. Toralkar Pawan**, the Faculty Coordinator, who expressed his gratitude to the **Management**, the **Honourable Vice-Chancellor**, and the **Principal** for their constant support and encouragement. He also conveyed heartfelt thanks to **Dr. R. Kalpana**, Head of the Department, and **Dr. K. Chokkanathan**, Associate Professor, for their guidance and motivation, and congratulated the student speakers for conducting an insightful and well-organized session.



Program Outcomes:

- Students gained fundamental knowledge of Machine Learning principles and Python programming.
- Participants learned how to use popular ML libraries for data analysis, model building, and visualization.
- The session provided awareness about career opportunities in the AI/ML domain.
- Fostered teamwork, collaboration, and peer-to-peer learning within the department.



Conclusion:

The AI/ML Launchpad Workshop was an informative and inspiring session that successfully introduced students to Artificial Intelligence and Machine Learning. It achieved its objectives by combining theoretical understanding with practical demonstrations. The initiative promoted collaborative learning, skill development, and innovation among CSE–AI students, setting a strong foundation for future exploration in emerging technologies.

“Knowledge increases by sharing but not by saving.” — Kamari aka Lyrikal