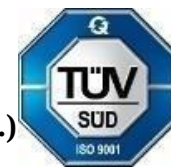




MADANAPALLE INSTITUTE OF TECHNOLOGY & SCIENCE
(Deemed to be University)



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A Report on Workshop

“Introduction to Machine Learning – Roadmap and Practical Demonstration”

Organized by

Department of Computer Science & Engineering – Artificial Intelligence

Date: 04.11.2025

MADANAPALLE INSTITUTE OF TECHNOLOGY & SCIENCE
DEEMED TO BE UNIVERSITY
Under Section 3 of UGC Act, 1956
Madanapalle - 517325, Annamayya Dist., Andhra Pradesh, India

One-Day Workshop
On
“Introduction to Machine Learning – Roadmap and Practical Demonstration”
Organized by
Department of Computer Science & Engineering - Artificial Intelligence

Resource Persons

Date : 04th Nov - 2025
Time : 10.00 AM
Venue : ScaleUp Room

Mr. KETHINENI HARI KESAVA
CEO
EDUFER TECHNOLOGIES

Mr. SV DEVISRIPRASAD
FOUNDER
EDUFER TECHNOLOGIES

Mr. MUGADI GOWRI SHANKAR
MANAGERIAL DIRECTOR
EDUFER TECHNOLOGIES

Chief Patron Dr. N. Vijaya Bhaskar Choudary Founder and Chancellor	Patron Mrs. Keerthi Nadella Executive Director	Program Chair Dr. C. Ywaraj Vice Chancellor (EC)	Convener Dr. R. Kalpana Professor & Head CSE-AI	Coordinator Mr. Toralkar Pawan Asst. Professor CSE-AI	Co-Coordinator Dr. K. Chokkanathan Assoc. Professor CSE-AI
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Report Submitted by: Mr. Toralkar Pawan, Assistant Professor, Department of CSE–Artificial Intelligence.

Resource Person Details: Mr. Mugadi Gowri Shankar, Managerial Director, Edufer Technologies; Mr. Kethineni Hari Kesava, CEO, Edufer Technologies; Mr. SV Devisriprasad Founder Edufer Technologies.

Venue: Scale UP Room, MITS Madanapalle

Time: 10:00 AM to 5:00 PM

Mode of Conduct: Offline

Targeted Audience: B.Tech CSE–AI Students

Number of Participants: 67

Report Received on 12.11.2025.

Objectives of the Program:

1. To introduce students to the Machine Learning roadmap, guiding them on how to begin their journey in AI/ML.
1. To provide a hands-on demonstration of how a Machine Learning model works using Python and standard ML libraries.
2. To promote practical and project-based learning among students in emerging technologies.

Report Summary:

The one-day workshop began with an inaugural address by Dr. R. Kalpana, Professor & Head, Department of CSE–AI, who highlighted the significance of Machine Learning and Data Science in solving real-world problems. Dr. K. Chokkanathan, Associate Professor, CSE–AI, spoke about the importance of hands-on training in building a strong foundation in AI technologies. Mr. Toralkar Pawan, Assistant Professor, CSE–AI, coordinated the event and ensured the smooth execution of the sessions. The resource team from Edufer Technologies, comprising Mr. Mugadi Gowri Shankar, Mr. Kethineni Hari Kesava, and Mr. S.V. Devisriprasad, delivered an engaging and technically rich session. The presentation covered the Machine Learning workflow, including data acquisition, preprocessing, feature engineering, model training, evaluation metrics, and deployment considerations.



Students were introduced to essential Python libraries such as NumPy (for numerical computations and multidimensional arrays), Pandas (for structured data manipulation and DataFrame operations), and Scikit-learn (for implementing supervised and unsupervised learning algorithms such as linear regression, decision trees, and clustering). The workshop encouraged students to apply analytical reasoning, use Python-based ML pipelines, and understand the end-to-end process of model development and deployment.

Program Outcomes:

1. Students gained hands-on experience in implementing ML pipelines using Python.
2. Participants learned the complete workflow of a Machine Learning project, from data pre-processing to model evaluation.
3. The session promoted awareness of career paths and emerging trends in AI and Machine Learning.

Conclusion:

The one-day workshop on “Introduction to Machine Learning – Roadmap and Practical Demonstration” organized by the Department of CSE (AI), MITS Madanapalle, in collaboration with Edufer Technologies, was highly successful. The department extends its sincere appreciation to Mr. Mugadi Gowri Shankar, Mr. Kethineni Hari Kesava, and Mr. S.V. Devisriprasad for their expert guidance and interactive sessions. The contribution of Dr. R. Kalpana, Dr. K. Chokkanathan, and Mr. Toralkar Pawan in facilitating and coordinating the event was instrumental in its success. The workshop effectively enhanced students’ technical understanding and motivated them to explore innovative projects in the domain of Artificial Intelligence and Machine Learning.