



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



Affiliated to JNTUA, Ananthapuramu & Approved by AICTE, New Delhi
NAAC Accredited with A+ Grade, NIRF India Rankings 2024 - Band: 201-300 (Engg.)
NBA Accredited - B.Tech. (CIVIL, CSE, ECE, EEE, MECH, CST), MBA & MCA

A Report on Guest Lecture on “Logistic Regression: Building Blocks of Modern Machine Learning” Organized by Department of CSE (Artificial Intelligence) on 07.09.2026



Report Submitted by: Dr. K. Hemalatha, Assistant Professor, Department of CSE(AI)

Resource Person Details: Dr. P. Swetha, Materials Scientist, Post Doctoral, Ruhr University, Bochum, Germany

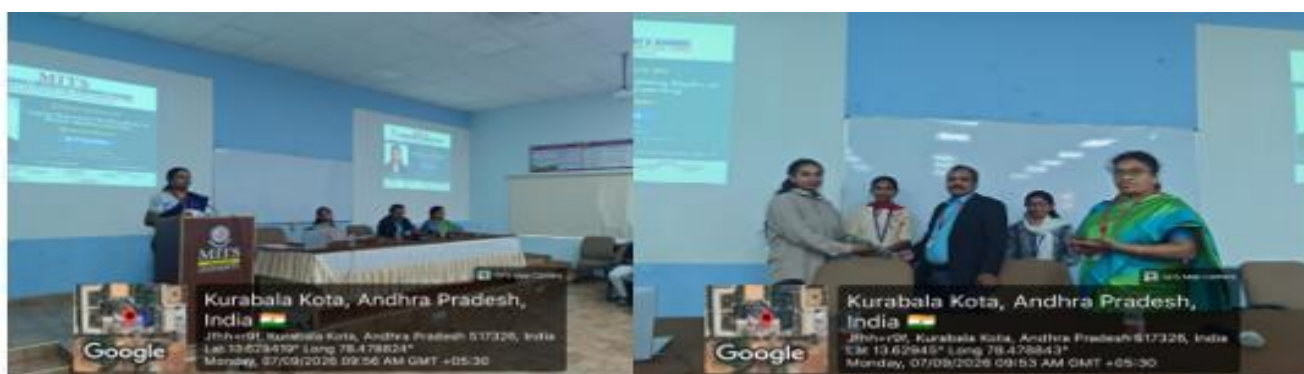
Mode of Conduct: Offline

No. of Participants : 120

Report Received on 11.09.2026.

Introduction:

The Guest Lecture commenced with a warm welcome address by Dr. K. Hemalatha, Coordinator of the event, who welcomed the resource person, faculty members, and students and highlighted the objectives of the programme. Dr. R. Kalpana, Convenor and Head, Department of CSE (AI), emphasized the importance of the lecture on “Logistic Regression: Building Blocks of Modern Machine Learning” and its relevance to Artificial Intelligence and contemporary machine learning applications. Dr. P. Ramanathan, Professor & Principal, highlighted the significance of such expert-led sessions in promoting academic learning, research, and innovation, and encouraged students to actively participate, interact with the resource person, and make effective use of the opportunity to enhance their knowledge and skills.



The resource person, Dr. P. Swetha, Materials Scientist and Postdoctoral Researcher at Ruhr University Bochum, Germany, delivered an insightful and engaging lecture on “Logistic Regression: Building Blocks of Modern Machine Learning.” She explained the fundamental concepts of logistic regression, including its role in binary classification, probability estimation, decision boundaries, and model prediction. Through practical examples and real-world applications, she demonstrated how logistic regression can be used to solve classification problems and highlighted its significance as a foundational technique in machine learning. The session also provided students with valuable insights into the practical implementation and application of machine learning concepts, encouraging them to strengthen their analytical skills and explore research opportunities in Artificial Intelligence and Machine Learning.

