



**MALLA REDDY COLLEGE OF ENGINEERING & TECHNOLOGY**

(Autonomous Institution – UGC, Govt. of India)

DEPARTMENT OF COMPUTER SCIENCE & ENGINEERING

## **REPORT ON 3-DAYS WORKSHOP ON “MACHINE LEARNING” IN ASSOCIATION WITH INTEL UNNATI**

**30-07-2024 TO 01-08-2024**

The Department of Computer Science and Engineering organized a **3 Days Workshop on “MACHINE LEARNING” IN ASSOCIATION WITH INTEL UNNATI** from July 30 to August 1 2024 for the Students of Third Year.

### **1.Objective of the Workshop:**

The aim of the Workshop is to help Students gain in-depth knowledge on Machine Learning concepts, Neural Network concepts with practical implementation of various algorithms and have practical knowledge by usage of Python-Jupyter Notebook.

### **Highlights**

- To understand basic concept of Machine Learning Mechanisms implementing them in real time environment.
- Worked with Jupyter notebook, Google Collab and Spyder to execute various machine learning algorithms.
- Connecting Dataset using Pandas.
- To design case studies on concepts like linear regression and so on.
- To understand usage and implementation with different data sets.
- Illustrated usage of various data sets and their application over concepts of machine learning.

## **2.Schedule**

### Day 1: 30-07-2024

Morning and Afternoon Session's:

- Brief introduction of Machine Learning Concepts
- Introduction to Python Libraries like Numpy, Matplotlib, Pandas
- Quiz Session: To understand the theoretical concepts of machine learning
- Classification of Algorithms and Practical Implementation

### Day 2: 31-07-2024

Morning and Afternoon Session's:

- Introduction to Regression Algorithms
- Practical Session 1:Implementation of Linear and Multiple regression
- Overview of Supervised and Unsupervised Learning
- Backward propagation and Clustering Algorithms
- Practical Session 2 :Implementation of Clustering Algorithms

### Day 3: 01-08-2024

Morning and Afternoon Session's:

- Brief introduction Convolutional Neural Networks
- Concepts on ANN, Layers of CNN like Pooling and Padding
- Practical approach on CNN with data sets with various pooling and padding ratios
- Introduction to Neurons and Feed forward networks
- Practical Implementation of all Concepts covered

Note:

1. Morning session is from 9:30am to 1pm with a break from 11.00 to 11.15 am.
2. Afternoon session is from 1.30 pm to 3:30 pm
3. The Workshop was inaugurated by the Principal, Dr.S.Srinivasa Rao , along with the HOD, Dr.S.Shanthi and Faculty Coordinator, Mrs.N.Bharathi.

# Photo Gallery

