MALLA REDDY COLLEGE OF ENGINEERING & TECHNOLOGY

(Autonomous Institution – UGC, Govt. of India)

DEPARTMENT OF COMPUTATIONAL INTELLIGENCE

REPORT ON A 5 DAY WORKSHOP ON "MACHINE LEARNING PROJECTS"

NOV 20-24, 2023

The Department of Computational Intelligence organized A 5 Day workshop on "**MACHINE LEARNING PROJECTS "**from November 20-24, 2023 for the Final year students.

1.Objective of the Workshop:

The aim of the Workshop is to provide hands on experience using, Python-Jupyter Notebook and gain an in-depth knowledge on Machine Learning concepts, Neural Networks and Deep Learning concepts with practical implementation of various algorithms.

Highlights

- To understand basic concept of Machine Learning Mechanisms and implementation of them in real time environment
- Demonstrated various projects to Create Regression models and checking their accuracy.
- To design case studies on concepts like linear regression and so on
- To understand data cleaning and data filling works using titanic dataset.
- Creating Chabot applications.

2.Schedule

Day 1:
Morning and Afternoon Session's:
- Inauguration of project training.
- Introduction on linear and multiple regression concepts.

Practical Session 1: Creating Regression models and checking their accuracy

Day 2:
Morning and Afternoon Session's:
- Brief description about types of cleaning.
- Data transformation or tuning of data.
- Dividing data into dependent and independent variables.
- Practical Session 2: How data cleaning and data filling works using titanic dataset.

Day 3:
Morning and Afternoon Session's:
- Overview of open cv.
- Practical approach on open cv in real time situations.

Day 4:
Morning and Afternoon Session's:
- Concepts on clustering.
- Creating a jupyter environment.
- Type of projects mostly used in the IT field.

Day 5:
Morning and Afternoon Session's:
- Role of chatbots in our day to day life.
- Developing a chatbot on our own.
- Valedictory session.

Note:

1. Morning session is from 9:30 am to 12.40 pm
2. Afternoon session is from 1.40 pm to 3.40 pm

Photos Gallery