



CMR TECHNICAL CAMPUS

UGC AUTONOMOUS

Accredited by NBA & NAAC with 'A' Grade
Approved by AICTE, New Delhi and JNTU, Hyderabad
Kandlakoya, Medchal Road, Hyderabad- 501 401, Telangana

Estd: 2009



Department Of Computer Science And Engineering

Organizing 1 Week Faculty Development Program (FDP) on

MACHINE LEARNING

in Association with COIGN CONSULTANTS PVT.LTD



And

Center of Excellence Data Analytics, CMRTC

**HURRY UP AND MARK EVENT DAY AND TIME
IN CALENDAR**

16-08-2021 TO 21-08-2021

MORNING: 9:30 A.M-11:30 P.M

AFTERNOON: 1:00 P.M-3:00 P.M



Register Today: <https://cutt.ly/bQHLY08>

Dr. Suwarna Gothane
Assga. Prof., CSE Dept.

Dr.K.Srujan Raju
HOD CSE Dept.

Dr.A.Raji Reddy
Director , CMRTC



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DEPARTMENT OF COMPUTER SCIENCE AND ENGINEERING

REPORT: MACHINE LEARNING FACULTY DEVELOPMENT PROGRAM

1. Objective of the Program

- The objective was to address modern trends in the field of Machine Learning with real time problem solving.
- To introduce fundamental concepts and methods for machine learning.
- This FDP focused on hands-on implementation of various algorithms to deliver practical skill to participants.

2. Benefits /Outcome of the Program

- Participants learn to identify machine learning problem and algorithms.
- Understand to perform evaluation on machine learning algorithm and practiced on Anaconda Framework.

3. Detail Report

Department Of Computer Science And Engineering, CMR Technical Campus, Organized 1 Week Faculty Development Program (FDP) on MACHINE LEARNING from 16-08-2021 to 21 -08- 2021 in Association with COIGN CONSULTANTS PVT.LTD and Center of Excellence Data Analytics, CMRTC.

In Machine Learning Faculty Development Program faculties from CSE, CSE- AIML, CSE-DS and IT department got participated. Total 52 participants got registered for ML-FDP. Program is conducted in online mode for one week from 16-08-2021 to 21 -08- 2021. Faculties completed assessments as per schedule from Day 1 to Day 6 and submitted Assignment via online mode. On last day of Machine Learning FDP all participants attended online test and clear exam. Successfully completed Assignment and attended online test Participants got awarded with Certificate for Machine Learning FDP.

4. Date: 16-08-2021 to 21 -08- 2021

5. Faculty Participants number: 52

6. Expenditure amount if any: 70,800/- (Enclosed Invoice)

• Enclosure:

- *Participants Lists
- *MLFDP Brochure
- *MLFDP Schedule
- *Invoice

DEPARTMENT OF COMPUTER SCIENCE AND ENGINEERING

TRAINING CURRICULUM FOR MACHINE LEARNING FDP 16-08-2021 to 21 -08- 2021

Day	Topic	Morning Session (2 Hours) 9:30 a. m -11:30 a. m.	Afternoon Session (2 Hours) 1:00 p. m.-3:00 p. m
Day 1	Introduction to Machine Learning	What is Machine Learning?	
		Applications of Machine Learning	
		ML vs DL vs AI — What's the Difference?	
		Why Machine Learning is the Future?	
	Pre-Requisite	Python Environment Setup (ML)	
	Data Pre-Processing	Importing the Libraries	Practice Assignments
		Importing the Dataset	Practice Assignments
		Taking care of Missing Data	Practice Assignments
Day 2	Data Pre-Processing	Encoding Categorical Data	Practice Assignments
		Splitting the dataset into the Training set and Test set	Practice Assignments
		Feature Scaling	Practice Assignments
	Regression	Simple Linear Regression	Practice Assignments
		Multiple Linear Regression	Practice Assignments
Day 3	Regression	Simple Linear Regression	Practice Assignments
		Multiple Linear Regression	Practice Assignments
Day 4	Regression	Random Forest Regression	Practice Assignments
	Classification	Logistic Regression	Practice Assignments
		K-Nearest Neighbors (K-NN)	Practice Assignments
Day 5	Classification	Decision Tree Classification	Practice Assignments
		Random Forest Classification	Practice Assignments
		Classification Model Selection in Python	Practice Assignments
		Simple Linear Regression	Practice Assignments
		Multiple Linear Regression	Practice Assignments
Day 6	Problems Solving	Assignments	Online Exam
		Challenge	
		Discussion	