INSTITUTE OF AERONAUTICAL ENGINEERING

(Autonomous)

Dundigal, Hyderabad -500 043

DEPARTMENT OF COMPUTER SCIENCE AND ENGINEERING

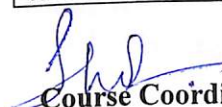## ATTAINMENT OF COURSE OUTCOMES (COS) – ACTION PLAN

Name of the Faculty	Dr. Chukka. Santaiaiah	Department	CSE
Regulations	R16	Batch	2016 -2020
Course Name	Machine Learning	Course Code:	ACS014
Semester	VIII	Target Value	70% (2.1 on 3 Scale)

Attainment of COs:
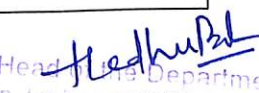
	Course Outcomes	Direct Attainment	Indirect Attainment	Overall Attainment	Observation
CO1	Demonstrate machine learning concepts with decision trees in data classification for smart and automated applications	2.3	2.6	2.4	Target attained
CO2	Make use of support vector machine and multilayer perceptron's to control learning rate in high dimensionality data classification	2.3	2.5	2.3	Target attained
CO3	Select probabilistic classifiers with Naive Bayes and graphical models for temporal data classification	2.3	2.6	2.4	Target attained
CO4	Outline evolutionary algorithms to solve optimization problems in stochastic manner in machine learning.	3	2.5	2.9	Target attained
CO5	Utilize data clustering algorithms to perform cluster analysis with large categorical datasets in real life data mining applications	2.3	2.6	2.4	Target attained
CO6	Identify appropriate machine learning techniques and suitable computing environment for real time applications.	0.9	2.6	1.2	Target not attained

Action taken report:
CO6: Assign real time applications as case studies so that student can analyze and identify appropriate ML technique to solve them.

Course Coordinator

Mentor

Head of the Department
Comp. Science Engineering
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