



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	2017 -2021
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	2.30	2.60	2.4	Target attained
CO2	Make use of support vector machine and multilayer perceptron's to control learning rate in high dimensionality data classification	1.60	2.50	1.8	Target not attained
CO3	Select probabilistic classifiers with Naive Bayes and graphical models for temporal data classification	1.30	2.50	1.5	Target not attained
CO4	Outline evolutionary algorithms to solve optimization problems in stochastic manner in machine learning.	1.60	2.60	1.8	Target not attained
CO5	Utilize data clustering algorithms to perform cluster analysis with large categorical datasets in real life data mining applications	0.90	2.60	1.2	Target not attained
CO6	Identify appropriate machine learning techniques and suitable computing environment for real time applications.	0.00	2.60	0.5	Target not attained

Action taken report:

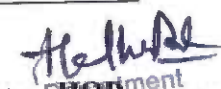
CO2: Demonstrations on data classification algorithms using support vector machines have to arrange to make student analyze high dimensionality data classification.

CO3, CO4: Group discussions on temporal database classification algorithms and evolutionary algorithms with case studies so that student can acquire skills to identify effective machine learning algorithm for any real time applications.

CO5, CO6: Arrange a discussion on real time application developed using machine learning algorithms with large categorical data , to enhance analytical skills of student.


Course Coordinator


Mentor


Head of the Department
Department of Computer Science and Engineering
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