



# INSTITUTE OF AERONAUTICAL ENGINEERING (Autonomous)

Dundigal, Hyderabad - 500043, Telangana

## INFORMATION TECHNOLOGY

### ATTAINMENT OF COURSE OUTCOME - ACTION TAKEN REPORT

Name of the faculty:	Dr. RAVI KUMAR POLURU	Department:	Information Technology
Regulation:	IARE - R18	Batch:	2019-2023
Course Name:	Machine Learning	Course Code:	ACSB21
Semester:	V	Target Value:	60% (1.8)

#### Attainment of COs:

	Course Outcome	Direct attainment	Indirect attainment	Overall attainment	Observation
CO1	Demonstrate the design of concept learning that best fits training datasets in machine learning applications	0.90	2.40	1.2	Not Attained
CO2	Develop decision tree and instance-based learning algorithms for classification or regression-based problems in machine learning applications.	0.90	2.40	1.2	Not Attained
CO3	Make use of artificial neural networks algorithms to train the system using synapses, nodes and communication links.	0.90	2.40	1.2	Not Attained
CO4	Construct Bayesian learning classifiers in extracting crucial information from small datasets and in preprocessing.	2.30	2.40	2.3	Attained
CO5	Build reinforcement-based learning algorithms to optimize in healthcare and recommendation systems.	0.90	2.40	1.2	Not Attained
CO6	Categorize mathematical models and predictions using machine learning algorithms to perform various real-time tasks.	0.90	2.40	1.2	Not Attained

#### Action Taken:

CO1: We need to discuss more about datasets in machine learning applications.

CO2: In this detailed discussion, we discuss decision trees and instance based learning algorithms for machine learning applications.

CO3: Artificial neural networks algorithms need to be improved and discussed

CO5: Reinforcement based learning algorithms have to be discussed with more use cases in healthcare systems.

CO6: Mathematical models and predictions must be discussed in real time applications.

Course Coordinator

Mentor

Head of the Department