


INSTITUTE OF AERONAUTICAL ENGINEERING

(Autonomous)

Dundigal, Hyderabad - 500043, Telangana

COMPUTER SCIENCE AND ENGINEERING (DATA SCIENCE)
ATTAINMENT OF COURSE OUTCOME - ACTION TAKEN REPORT

Name of the faculty:	Dr. S SREEKANTH	Department:	Computer Science and Engineering (Data Science)
Regulation:	IARE - UG20	Batch:	2022-2026
Course Name:	Foundations of Machine Learning	Course Code:	ACAC03
Semester:	VI	Target Value:	60% (1.8)

Attainment of COs:

	Course Outcome	Direct Attainment	Indirect Attainment	Overall Attainment	Observation
CO1	Demonstrate the characteristics of Machine Learning that make it useful to solve real-world problems	2.30	2.10	2.3	Attained
CO2	Make use of Supervised Learning Algorithm for Classification Model and Decision Tree Learning	1.60	2.20	1.7	Not Attained
CO3	Build a Prediction Model by using Linear Regression Techniques and Ensemble Techniques.	0.90	2.10	1.1	Not Attained
CO4	Make use of Bayesian Learning for Classification Model and outline Unsupervised learning Algorithms for determining hidden patterns in data	0.90	2.20	1.2	Not Attained
CO5	Discuss the methodology of Neural Networks and Support Vector Machines to classify the Linear and Non-Linear data	0.90	2.20	1.2	Not Attained
CO6	Identify appropriate Machine Learning Algorithms depending on the nature of the Learning System	0.60	2.20	0.9	Not Attained

Action Taken Report: (To be filled by the concerned faculty / course coordinator)

CO2:

- Conduct additional tutorial sessions and provide hands-on coding exercises on supervised learning and decision tree models.

CO3: Provide remedial classes and practical assignments on linear regression and ensemble techniques using real datasets.

CO4: Arrange extra lectures and lab demonstrations on Bayesian learning and unsupervised learning algorithms.

CO5: Conduct interactive sessions and mini-projects on Neural Networks and Support Vector Machines for classification tasks.

CO6: Encourage problem-based learning and case studies to help students select appropriate machine learning algorithms for different problems.

Course Coordinator

Mentor

Head of the Department