



INSTITUTE OF AERONAUTICAL ENGINEERING

(Autonomous)

Dundigal, Hyderabad - 500043, Telangana

COMPUTER SCIENCE AND ENGINEERING (AI&ML)

ATTAINMENT OF COURSE OUTCOME - ACTION TAKEN REPORT

Name of the faculty:	Ms. BIDYUTLATA SAHOO	Department:	Computer Science and Engineering (AI&ML)
Regulation:	IARE - BT23	Batch:	2023-2027
Course Name:	Machine Learning Algorithms	Course Code:	ACAD06
Semester:	V	Target Value:	60% (1.8)


Attainment of COs:

Course Outcome	Direct Attainment	Indirect Attainment	Overall Attainment	Observation
CO1 Explain the types of machine learning and the fundamentals of supervised learning by relating it to biological models like the brain and neuron structure.	3.00	2.30	2.9	Attained
CO2 Apply the back propagation algorithm to train MLPs and demonstrate their use in practical scenarios.	3.00	2.30	2.9	Attained
CO3 Develop unsupervised learning techniques particularly K-Means clustering for pattern discovery in unlabeled datasets	3.00	2.30	2.9	Attained
CO4 Utilize dimensionality reduction techniques such as PCA, LDA, and ICA to simplify high-dimensional datasets	3.00	2.30	2.9	Attained
CO5 Demonstrate evolutionary learning using genetic algorithms to solve optimization problems in machine learning.	3.00	2.30	2.9	Attained
CO6 Make use of suitable machine learning algorithms to solve problems in domains like manufacturing, retail, transport, healthcare, weather, and insurance.	3.00	2.30	2.9	Attained

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


Course Coordinator


Mentor


Head of the Department
Head of the Department
CSE (Artificial Intelligence & Machine Learning)
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