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:	**Ms. LAKSHMI DEEPTHI NUKALA**	Department:	**Computer Science and Engineering (Data Science)**
Regulation:	**IARE - UG20**	Batch:	**2022-2026**
Course Name:	**Design and Analysis of Algorithms**	Course Code:	**ACSC13**
Semester:	**IV**	Target Value:	**60% (1.8)**

Attainment of COs:

	Course Outcome	Direct Attainment	Indirect Attainment	Overall Attainment	Observation
CO1	Find the (worst case, randomized, amortized) running time and space complexity of given algorithms using techniques such as recurrences and properties of probabilit	1.60	2.00	1.7	Not Attained
CO2	Apply divide and conquer algorithms for solving sorting, searching and matrix multiplication	3.00	2.10	2.8	Attained
CO3	Make Use of appropriate tree traversal techniques for finding shortest path	2.30	2.10	2.3	Attained
CO4	Compare Identify suitable problem solving techniques for a given problem and finding optimized solutions using Greedy and Dynamic Programming techniques	0.90	2.10	1.1	Not Attained
CO5	Apply greedy algorithm Utilize backtracking and branch and bound techniques to deal with traceable and in-traceable problems	2.30	2.10	2.3	Attained
CO6	Apply Describe the classes P, NP, NP-Hard, NP- complete for solving deterministic and non deterministic problems	1.60	2.10	1.7	Not Attained

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

CO1: Conduct tutorial classes in more efficient way for sorting and searching algorithms

CO4: Try to practice the dynamic programming problems & NP hard problems in tutorial classes

CO6: Try to practice the dynamic programming problems & NP hard problems in tutorial classes

Course Coordinator

Mentor

Head of the Department