


INSTITUTE OF AERONAUTICAL ENGINEERING

(Autonomous)

Dundigal, Hyderabad - 500043, Telangana

COMPUTER SCIENCE AND ENGINEERING

ATTAINMENT OF COURSE OUTCOME - ACTION TAKEN REPORT

Name of the faculty:	Ms. E UMASHANKARI	Department:	Computer Science and Engineering
Regulation:	IARE - R18	Batch:	2018-2022
Course Name:	DESIGN AND ANALYSIS OF ALGORITHMS	Course Code:	AITB05
Semester:	IV	Target Value:	70% (2.1)

Attainment of COs:

	Course Outcome	Direct Attainment	Indirect Attainment	Overall Attainment	Observation
O1	Find the (worst case, randomized, amortized) running time and space complexity of given algorithms using techniques such as recurrences and properties of probability.	3.00	2.60	2.9	Attained
CO2	Apply divide and conquer algorithms for solving sorting, searching and matrix multiplication.	3.00	2.60	2.9	Attained
CO3	Make Use of appropriate tree traversal techniques for finding shortest path.	3.00	2.70	2.9	Attained
CO4	Identify suitable problem solving techniques for a given problem and finding optimized solutions using Greedy and Dynamic Programming techniques	2.40	2.60	2.4	Attained
CO5	Utilize backtracking and branch and bound techniques to deal with traceable and in-traceable problems.	2.40	2.70	2.5	Attained
CO6	Describe the classes P, NP, NP-Hard, NP-complete for solving deterministic and non deterministic problems.	2.40	2.60	2.4	Attained

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

Course Coordinator

Mentor

Head of the Department

Head of the Department

Computer Science and Engineering

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