



INSTITUTE OF AERONAUTICAL ENGINEERING

(Autonomous)

Dundigal, Hyderabad - 500043, Telangana

INFORMATION TECHNOLOGY

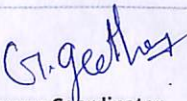
ATTAINMENT OF COURSE OUTCOME - ACTION TAKEN REPORT

Name of the faculty:	G GEETHA	Department:	Information Technology
Regulation:	IARE - R18	Batch:	2018-2022
Course Name:	DESIGN AND ANALYSIS OF ALGORITHMS	Course Code:	AITB05
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 probability.	2.10	2.50	2.2	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	2.70	2.50	2.7	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	2.40	2.4	Attained

Action Taken:


Course Coordinator


Mentor


Head of the Department