



INSTITUTE OF AERONAUTICAL ENGINEERING

(Autonomous)

Dundigal, Hyderabad - 500 043

COMPUTER SCIENCE AND INFORMATION TECHNOLOGY

ATTAINMENT OF COURSE OUTCOME- ACTION TAKEN REPORT

Name of the Faculty:	Dr. Basetty Mallikarjuna	Department:	CSIT
Regulation:	UG20	Batch:	2021-2025
Course Name:	Design And Analysis of Algorithms	Course Code:	ACSC13
Semester:	IV	Target Value:	60% (1.8 on 3 scale)

Attainment of COs:

Course Outcome	Direct Attainment	Indirect Attainment	Overall Attainment	Observations
CO1 Find the (worst case, randomized, amortized) running time and space complexity of given algorithms using techniques such as recurrences and properties of probability	3	1.9	2.8	Target Attained
CO2 Apply divide and conquer algorithms for solving sorting, searching and matrix multiplication	2.7	1.8	2.5	Target Attained
CO3 Make Use of appropriate tree traversal techniques for finding shortest path	3	1.9	2.8	Target Attained
CO4 Compare Identify suitable problem solving techniques for a given problem and finding optimized solutions using Greedy and Dynamic Programming techniques	1.7	1.9	1.7	Target not Attained
CO5 Apply greedy algorithm Utilize backtracking and branch and bound techniques to deal with traceable and in-traceable problems	3	1.8	2.8	Target Attained
CO6 Apply Describe the classes P, NP, NP-Hard, NP- complete for solving deterministic and non deterministic problems	2	1.9	2	Target Attained

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

In this Course CO4 requires additional attention and it is improved by

CO4: Solving more examples on optimization algorithms.

Course Coordinator

Mentor

HOD