



INSTITUTE OF AERONAUTICAL ENGINEERING

(Autonomous)

Dundigal, Hyderabad - 500 043

INFORMATION TECHNOLOGY

ATTAINMENT OF COURSE OUTCOME – ACTION TAKEN REPORT

Name of the faculty:	Ch. Suresh Kumar Raju	Department:	IT
Regulation:	IARE - R16	Batch:	2016 - 2020
Course Name:	Design and Analysis of Algorithms	Course Code:	AIT001
Semester:	III	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.	2.3	2.8	2.4	Attainment target reached
CO2	Apply divide and conquer algorithms for solving sorting, searching and matrix multiplication.	3	2.8	3	Attainment target reached
CO3	Make Use of appropriate searching and traversal techniques for finding shortest path to the given problem.	1.6	2.8	1.8	Attainment target reached
CO4	Identify suitable problem solving techniques for a given problem and finding optimized solutions using Greedy and Dynamic Programming techniques	2	2.8	2.2	Attainment target reached
CO5	Utilize backtracking and branch and bound techniques to deal with traceable and in-traceable problems.	2	1.8	2.2	Attainment target reached
CO6	Describe the classes P, NP, NP-Hard, NP-complete for solving deterministic and non deterministic problems.	1.6	2.8	1.8	Attainment target reached

Action taken report: (To be filled by the concerned faculty / course coordinator)

All the CO'S are attained.

Ches

Course Coordinator

Laxmi

Mentor

K. Reddy

HOD