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:	**2017 - 2021**
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.	0.9	2.6	1.2	Attainment target is not yet reached
CO2	Apply divide and conquer algorithms for solving sorting, searching and matrix multiplication.	0.9	2.6	1.2	Attainment target is not yet reached
CO3	Make Use of appropriate searching and traversal techniques for finding shortest path to the given problem.	1.6	2.6	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	2.3	2.6	2.4	Attainment target reached
CO5	Utilize backtracking and branch and bound techniques to deal with traceable and in-traceable problems.	0.9	2.6	1.2	Attainment target is not yet reached
CO6	Describe the classes P, NP, NP-Hard, NP-complete for solving deterministic and non-deterministic problems.	1.6	2.6	1.8	Attainment target reached

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

CO 1: More classes has to take for analysis of time and space complexities of algorithms

CO 2: More problems has to taught in class room to attain the target

CO 5: More problems has to taught in class room to attain the target

Course Coordinator   **Mentor**   **HOD**