



# INSTITUTE OF AERONAUTICAL ENGINEERING

(Autonomous)

Dundigal, Hyderabad - 500043, Telangana

## COMPUTER SCIENCE AND ENGINEERING

### ATTAINMENT OF COURSE OUTCOME - ACTION TAKEN REPORT

Name of the faculty:	Dr. M MADHUSUDHAN REDDY	Department:	Computer Science and Engineering
Regulation:	IARE - BT23	Batch:	2023-2027
Course Name:	Essentials of Problem Solving	Course Code:	ACSD05
Semester:	II	Target Value:	75% (2.3)

#### Attainment of COs:

	Course Outcome	Direct Attainment	Indirect Attainment	Overall Attainment	Observation
CO1	Outline the graph terminologies, graph representation, and relate them to practical examples	3.00	2.20	2.8	Attained
CO2	Build efficient graph routing algorithms for various optimization problems on graphs	3.00	2.20	2.8	Attained
CO3	Use effective techniques from graph theory to solve problems in networking and telecommunication.	3.00	2.20	2.8	Attained
CO4	Interpret the fundamental concepts of polynomials, roots of equations and solve corresponding problems using computer programs.	1.80	2.20	1.9	Not Attained
CO5	Apply the knowledge of numerical methods to solve algebraic and transcendental equations arising in real-life situations	3.00	2.20	2.8	Attained
CO6	Solve numerical integrals and ordinary differential equations to simulate discrete time algorithms	2.40	2.20	2.4	Attained

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

CO4: To enhance the attainment of CO 4 in the future, interactive supplementary tutorials and immersive programming sessions will be introduced to deepen understanding of polynomials and coding skills. Personalized remedial support, real-world problem-solving projects, and adaptive assessments will address individual learning needs. Advanced teaching tools and dynamic resources will ensure sustained engagement and effective concept retention.

  
Course Coordinator

  
Mentor

  
Head of the Department

Head of the Department  
Computer Science and Engineering  
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