



# INSTITUTE OF AERONAUTICAL ENGINEERING

(Autonomous)

Dundigal, Hyderabad -500 043

## DEPARTMENT OF COMPUTER SCIENCE AND ENGINEERING

### ATTAINMENT OF COURSE OUTCOMES (COs) – ACTION PLAN

Name of the Faculty	Ms. V. Divyavani	Department	CSE
Regulations	UG20	Batch	2020-2024
Course Name	Discrete Mathematical Structures	Course Code	AITC01
Semester	III	Target Value	70% (2.1 on 3 Scale)

#### Attainment of COs:

	Course Outcomes	Direct Attainment	Indirect Attainment	Overall Attainment	Observation
CO1	Make use of mathematical definitions and its notations for reformulating statements in formal logic and validating normal forms.	1.6	2.2	1.7	Target not attained
CO2	Demonstrate operations on discrete mathematical structures like sets, functions, lattices for representing the relations among them.	0.9	2.2	1.2	Target not attained
CO3	Illustrate rings, integral domains, and field structures with binary operations defined on them.	0.9	2.2	1.2	Target not attained
CO4	Apply addition rule and substitution rule for solving the problems of combinatorics.	0.9	2.2	1.2	Target not attained
CO5	Develop solutions for recurrence relations and generating functions to obtain terms of equation.	0.9	2.3	1.2	Target not attained
CO6	Identify appropriate algorithms of graphs and trees for finding shortest path	1.6	2.2	1.7	Target not attained

#### Action taken report:

CO1: More Problems solving questions on formal logic and validation of logical statements to be given during tutorial session for practice

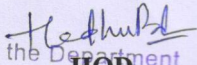
CO2, CO3: Provide individual sets of exercises to students on sets, Functions Rings and Lattices so that student will get strong foundation on mathematical structures.

CO4, CO5: Arrange workshop on Combinatorial Theory and Recurrence Relations by experts so student can apply the same for real time applications.

Co6: More practical sessions to be conducted for implementing Tree and Graph related algorithms along with shortest path finding techniques.

  
Course Coordinator

  
Mentor

  
Head of the Department  
Computer Science and Engineering  
HOD  
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