



# INSTITUTE OF AERONAUTICAL ENGINEERING (Autonomous)

Dundigal, Hyderabad - 500043, Telangana

## INFORMATION TECHNOLOGY

### ATTAINMENT OF COURSE OUTCOME - ACTION TAKEN REPORT

Name of the faculty:	Dr. M PURUSHOTHAM REDDY	Department:	Information Technology
Regulation:	IARE - R20	Batch:	2020-2024
Course Name:	Discrete Mathematical Structures	Course Code:	AITC01
Semester:	III	Target Value:	60% (1.8)

#### Attainment of COs:

Course Outcome	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.	0.90	2.40	1.2	Not Attained
CO2 Demonstrate operations on discrete mathematical structures like sets, functions, lattices for representing the relations among them.	0.90	2.40	1.2	Not Attained
CO3 Illustrate rings, integral domains, and field structures with binary operations defined on them.	0.90	2.40	1.2	Not Attained
CO4 Apply addition rule and substitution rule for solving the problems of combinatorics.	0.90	2.40	1.2	Not Attained
CO5 Develop solutions for recurrence relations and generating functions to obtain terms of equation.	0.90	2.40	1.2	Not Attained
CO6 Identify appropriate algorithms of graphs and trees for finding shortest path	2.30	2.40	2.3	Attained

#### Action Taken:

- CO1: Need to discuss more depth concepts of formal logic and validating normal forms.
- CO2: Need to discuss more operations on sets, functions and lattices.
- CO3: Need to discuss more examples on binary operations on integral domains and field structures.
- CO4: Need to solve more problems on combinatorics
- CO5: Need to discuss more solutions for recurrence relations

  
Course Coordinator

  
Mentor

  
Head of the Department