



# INSTITUTE OF AERONAUTICAL ENGINEERING

(Autonomous)  
Dundigal, Hyderabad - 500 043

## COMPUTER SCIENCE AND INFORMATION TECHNOLOGY

### ATTAINMENT OF COURSE OUTCOME- ACTION TAKEN REPORT

Name of the Faculty:	Ms. B PRAVALLIKA	Department:	CSIT
Regulation:	UG20	Batch:	2020-2024
Course Name:	Discrete Mathematical Structures	Course Code:	AITC01
Semester:	III	Target Value:	60% (1.8 on 3 scale)

#### Attainment of Cos:

Course Outcome		Direct Attainment	Indirect Attainment	Overall Attainment	Observations
CO1	Make use of mathematical definitions and its notations for reformulating statements in formal logic and validating normal forms.	0.9	2.4	1.2	Target not Attained
CO2	Demonstrate operations on discrete mathematical structures like sets, functions, lattices for representing the relations among them.	1.6	2.4	1.8	Target Attained
CO3	Illustrate rings, integral domains, and field structures with binary operations defined on them.	0.9	2.4	1.2	Target not Attained
CO4	Apply addition rule and substitution rule for solving the problems of combinatorics.	1.6	2.3	1.7	Target not Attained
CO5	Develop solutions for recurrence relations and generating functions to obtain terms of equation.	1.6	2.4	1.8	Target Attained
CO6	Identify appropriate algorithms of graphs and trees for finding shortest path	0.9	2.3	1.2	Target not Attained

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

In this Course CO1,CO3,CO4 and CO6 requires additional attention and it is improved by

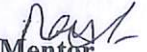
CO 1: Solving more questions on formal logic and validation of logical statements to be given during tutorial sessions for practice.

CO 3: Providing individual sets of exercise to students on sets, functions rings and lattices so that student will get strong foundation on mathematical structures.

CO 4: Giving additional inputs to solve combinational theory and recurrence by subject experts so the students can apply the same for real time applications

CO 6: More practical sessions to be conducted for implementing tree and graph related algorithms along with shortest path finding techniques.

  
Course Coordinator

  
Mentor

  
HOD