



INSTITUTE OF AERONAUTICAL ENGINEERING

(Autonomous)

Dundigal, Hyderabad - 500 043

MECHANICAL ENGINEERING

ATTAINMENT OF COURSE OUTCOME – ACTION TAKEN REPORT

Name of the faculty:	Ms. T Vanaja	Department:	ME
Regulation:	IARE - R16	Batch:	2017 - 2021
Course Name:	Operations Research	Course Code:	AME021
Semester:	VIII	Target Value:	60% (1.8)

Attainment of COs:


	Course Outcome	Direct attainment	Indirect attainment	Overall attainment	Observation
CO1	Understand the concepts operations research modeling techniques to solve complex problems involved in various industries.	0.90	2.40	1.2	Attainment target not reached
CO2	Find the appropriate algorithm for transportation and assignment of resources to optimize the process of assignment.	0.90	2.40	1.2	Attainment target not reached
CO3	Understand the Concepts of sequencing to solve complex problems for effective scheduling of jobs on machines.	0.90	2.40	1.2	Attainment target not reached
CO4	Identify appropriate equipment replacement technique to be adopted to minimize maintenance cost by eliminating equipment break-down.	0.90	2.40	1.2	Attainment target not reached
CO5	Apply the knowledge of game theory concepts to articulate real-world competitive situations to identify strategic decisions to counter the consequences.	0.90	2.40	1.2	Attainment target not reached
CO6	Identify appropriate method for application of simulation to solve inventory and queuing problems for real world applications.	0.90	2.40	1.2	Attainment target not reached

Action taken report:

CO1: More practice required to solve complex problems involved in OR modelling techniques.
CO2: More exercise has to be given for transportation problems.
CO3: Additional tutorial hours required to practice for effective scheduling of jobs on machines
CO4: More problems to be solved in minimize maintenance cost problems
CO5: Different types of problems on game theory to be practiced in tutorial hours.
CO6: Additional Work sheets to be solved in various inventory and queuing problems


Course Coordinator


Mentor


Head of the Department
Mechanical Engineering
INSTITUTE OF AERONAUTICAL ENGINEERING
Dundigal, Hyderabad - 500 043