



# INSTITUTE OF AERONAUTICAL ENGINEERING

(Autonomous)

Dundigal, Hyderabad - 500043, Telangana

## MECHANICAL ENGINEERING

### ATTAINMENT OF COURSE OUTCOME - ACTION TAKEN REPORT

Name of the faculty:	Dr. PAIDI RAGHAVULU	Department:	Mechanical Engineering
Regulation:	IARE - R18	Batch:	2018-2022
Course Name:	OPTIMIZATION TECHNIQUES	Course Code:	AMEB12
Semester:	IV	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.	2.70	2.40	2.6	Attained
CO2 Find the appropriate algorithm for transportation and assignment of resources to optimize the process of assignment.	2.70	2.40	2.6	Attained
CO3 Understand the Concepts of sequencing to solve complex problems for effective scheduling of jobs on machines.	1.60	2.40	1.8	Attained
CO4 Identify appropriate equipment replacement technique to be adopted to minimize maintenance cost by eliminating equipment break-down.	2.40	2.40	2.4	Attained
CO5 Apply the knowledge of game theory concepts to articulate real-world competitive situations	2.40	2.30	2.4	Attained
CO6 Identify appropriate method for application of simulation to solve inventory and queuing problems for real world applications.	0.30	2.40	0.7	Not Attained

#### Action Taken:

CO6: More real-world applications to be solved on Inventory and queuing topics.

  
Course Coordinator

  
Mentor

  
Head of the Department

Head of the Department  
Mechanical Engineering  
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