



INSTITUTE OF AERONAUTICAL ENGINEERING

(Autonomous)

Dundigal, Hyderabad - 500043, Telangana

MECHANICAL ENGINEERING

ATTAINMENT OF COURSE OUTCOME - ACTION TAKEN REPORT

Name of the faculty:	Dr.K CHINA APPARAO	Department:	Mechanical Engineering
Regulation:	IARE - R18	Batch:	2019-2023
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.	3.00	2.20	2.8	Attained
CO2	Find the appropriate algorithm for transportation and assignment of resources to optimize the process of assignment.	3.00	2.10	2.8	Attained
CO3	Understand the Concepts of sequencing to solve complex problems for effective scheduling of jobs on machines.	3.00	2.10	2.8	Attained
CO4	Identify appropriate equipment replacement technique to be adopted to minimize maintenance cost by eliminating equipment break-down.	1.60	2.10	1.7	Not Attained
CO5	Apply the knowledge of game theory concepts to articulate real-world competitive situations	0.90	2.10	1.1	Not Attained
CO6	Identify appropriate method for application of simulation to solve inventory and queuing problems for real world applications.	2.30	2.10	2.3	Attained

Action Taken:

CO4: More tutorials may be conducted on equipment replacement technique to minimize maintenance cost.

CO5: More real-world problems can be solved by applying game theory concepts.


Course Coordinator


Mentor


Head of the Department

Head of the Department
Mechanical Engineering
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