



INSTITUTE OF AERONAUTICAL ENGINEERING

(Autonomous)

Dundigal, Hyderabad - 500043, Telangana

MECHANICAL ENGINEERING

ATTAINMENT OF COURSE OUTCOME - ACTION TAKEN REPORT

Name of the faculty:	Dr.SATHEES KUMAR	Department:	Mechanical Engineering
Regulation:	IARE - R18	Batch:	2019-2023
Course Name:	Advanced Machine Design	Course Code:	AMEB42
Semester:	VII	Target Value:	60% (1.8)

Attainment of COs:

	Course Outcome	Direct Attainment	Indirect Attainment	Overall Attainment	Observation
CO1	Identify static and dynamic loads for sliding and rolling contact bearings to calculate the life of bearings.	2.10	2.20	2.1	Attained
CO2	Select the specific design methodology for automobile components like connecting rod, piston, and crank shaft under combined loading for feasible solutions as per the IS design standards.	0.70	2.20	1	Not Attained
CO3	Utilize different power transmission systems for computing the efficiency in respective drives such as flat belts, V- belts and ropes.	1.70	2.30	1.8	Attained
CO4	Outline the design process of power transmission using pulleys and chain drives for the given specifications.	2.40	2.20	2.4	Attained
CO5	Explain various types of gears, their typical design features and performance characteristics for efficient power transmission.	0.70	2.20	1	Not Attained
CO6	Illustrate standard fasteners used for various applications based on their efficiency and theories of failures.	2.10	2.20	2.1	Attained

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

CO2: More problems in IC engine components to be practiced through assignments.

CO5: More assignments have to be practiced for the Design of different types of gears.


Course Coordinator


Mentor


Head of the Department

Head of the Department
Mechanical Engineering
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