



INSTITUTE OF AERONAUTICAL ENGINEERING

(Autonomous)

Dundigal, Hyderabad - 500 043

MECHANICAL ENGINEERING

ATTAINMENT OF COURSE OUTCOME – ACTION TAKEN REPORT

Name of the faculty:	Dr. GVR Sheshagiri Rao	Department:	ME
Regulation:	IARE - R16	Batch:	2017 - 2021
Course Name:	Machine Design	Course Code:	AME015
Semester:	VI	Target Value:	60% (1.8)

Attainment of COs:


Course Outcome		Direct attainment	Indirect attainment	Overall attainment	Observation
CO1	Outline the modes of lubrication, bearing terminology and its design procedures for static and dynamic loading of engineering applications.	2.30	2.30	2.3	Attainment target reached
CO2	Develop the design methodology for automobile components like connecting rod, crank shaft, piston by applying the structural and thermal loads to meet the input design specifications for combined loading.	0.90	2.30	1.2	Attainment target not reached
CO3	Compare various power transmission drives such as belt, rope, chain drives and their typical design features and performance characteristics for efficient power transmission.	1.60	2.40	1.8	Attainment target reached
CO4	Estimate the transmission efficiencies of chain drives for various engineering applications.	3.00	2.40	2.9	Attainment target reached
CO5	Determine various load concentration factors of different gears based on dynamic, wear and thermal considerations for force analysis.	3.00	2.40	2.9	Attainment target reached
CO6	Identify the different types of power screws and its terminology for automotive and industrial applications.	3.00	0.00	2.4	Attainment target reached

Action taken report:

CO2: More exercise has to be given for design methodology of various automobile components


Course Coordinator


Mentor


Head of the Department
Mechanical Engineering
HOD
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