INSTITUTE OF AERONAUTICAL ENGINEERING
(Autonomous)
Dundigal, Hyderabad - 500043, Telangana

MECHANICAL ENGINEERING

ATTAINMENT OF COURSE OUTCOME - ACTION TAKEN REPORT

Name of the faculty:	**Dr. GVR. SESHAGIRI RAO**	Department:	**Mechanical Engineering**
Regulation:	**IARE - R18**	Batch:	**2018-2022**
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.	1.70	2.30	1.8	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.	0.00	2.30	0.5	Not Attained
CO3	Utilize different power transmission systems for computing the efficiency in respective drives such as flat belts, V- belts and ropes.	0.60	2.20	0.9	Not Attained
CO4	Outline the design process of power transmission using pulleys and chain drives for the given specifications.	0.90	2.30	1.2	Not Attained
CO5	Explain various types of gears, their typical design features and performance characteristics for efficient power transmission.	0.60	2.20	0.9	Not Attained
CO6	Illustrate standard fasteners used for various applications based on their efficiency and theories of failures.	3.00	2.30	2.9	Attained

Action Taken:

CO2: more practice is required to solve design methodology for automobile components
CO3: more exercise has to be given for power transmission drives
CO4: Additional tutorial hours are required to practice transmission efficiencies of chain drives
CO5: More exercise has to be given for dynamic,wear and thermal considerations for force analysis of gears

Course Coordinator

Member

Head of the Department
Head of the Department
Mechanical Engineering
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