



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:	Design of Machine Elements	Course Code:	AME823
Semester:	VI	Target Value:	60% (1.8)

Attainment of COs:

Course Outcome	Direct attainment	Indirect attainment	Overall attainment	Observation
CO1 Outline the knowledge of design process and design standards, theories of failures, analyses the stresses and strains for various machine elements.	0.90	2.10	1.1	Not Attained
CO2 Develop the Design procedure of riveted joints and welded joints for engineering applications like boilers, pressure vessels, ships and trusses.	0.60	2.10	0.9	Not Attained
CO3 Classify various types of keys and cotter joints used to employee secure to gears, pulleys, disc applications.	0.60	2.00	0.9	Not Attained
CO4 Develop the design procedures of knuckle joint for different loading conditions in propeller applications.	0.60	2.00	0.9	Not Attained
CO5 Select appropriate design procedures on the basis of strength, torsional rigidity for shafts and Couplings.	0.90	2.00	1.1	Not Attained
CO6 Evaluate the natural frequency, energy storage, stresses and deflections of helical springs for static and fatigue loadings.	0.00	1.90	0.4	Not Attained

Action Taken:

CO1: Extra tutorial required for theories of failures, analyses the stresses and strains for various machine elements.

CO2: More problems are solved in the design procedure of riveted joints

CO3: Extra tutorial hours are required for keys and cotter joints

CO4: More problems are solved with knuckle joints for different loading conditions

CO5: Extra tutorial required for the basis of strength, and torsional rigidity for shafts, and Couplings.

CO6: More problems are required for natural frequency, energy storage, stresses, and deflections of helical springs for static and fatigue loadings.


Course Coordinator


Head of the Department


Head of the Department

Head of the Department
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