



INSTITUTE OF AERONAUTICAL ENGINEERING

(Autonomous)

Dundigal, Hyderabad - 500043, Telangana

AERONAUTICAL ENGINEERING

ATTAINMENT OF COURSE OUTCOME - ACTION TAKEN REPORT

Name of the faculty:	Mr. GSD MADHAV	Department:	Aeronautical Engineering
Regulation:	IARE - R18	Batch:	2018-2022
Course Name:	MECHANICS OF SOLIDS	Course Code:	AAEB04
Semester:	III	Target Value:	60% (1.8)

Attainment of COs:

Course Outcome	Direct attainment	Indirect attainment	Overall attainment	Observation
CO1 Explain the concepts of stress-strain and their relations in conjunction with elasticity and material properties for solving the stresses and strains induced in the body under various loading conditions.	2.30	2.40	2.3	Attained
CO2 Demonstrate the effects of temperature and boundary conditions for the bar in determining the induced thermal stresses-strains	0.90	2.40	1.2	Not Attained
CO3 Explain the work done and strain energy induced in a body, subjected to gradually, suddenly and with impact loads in analyzing their effects in structural design.	2.30	2.40	2.3	Attained
CO4 Apply the concepts of the shear stress induced in a circular shaft due to torsion, in designing key and shaft for power transmission in aircraft propulsion system	3.00	2.40	2.9	Attained
CO5 Illustrate the shear force and bending moment in beams, for analyzing the structural behaviour based on the principles of equilibrium and material constitutional relationships	3.00	2.40	2.9	Attained
CO6 Demonstrate the suitability of double integration Macaulay's methods and moment area method in evaluating the deflection and slope of beams, subjected to various loads.	3.00	0.00	2.4	Attained

Action taken report:

CO2:

Digital content and videos are given in classes for a better understanding of concept.


Course Coordinator


Mentor


Head of the Department

Head of the Department
Aeronautical Engineering
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