



INSTITUTE OF AERONAUTICAL ENGINEERING

(Autonomous)

Dundigal, Hyderabad - 500043, Telangana

AERONAUTICAL ENGINEERING

ATTAINMENT OF COURSE OUTCOME - ACTION TAKEN REPORT

Name of the faculty:	Dr. D GOVARDHAN	Department:	Aeronautical Engineering
Regulation:	IARE - R18	Batch:	2019-2023
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
C01 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.	3.00	2.00	2.8	Attained
C02 Demonstrate the effects of temperature and boundary conditions for the bar in determining the induced thermal stresses-strains	2.30	2.00	2.2	Attained
C03 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.	1.60	2.00	1.7	Not Attained
C04 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	2.00	2.8	Attained
C05 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	2.00	2.8	Attained
C06 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.	2.30	0.00	1.8	Attained

Action Taken:

CO3: Additional reading materials are provided

Course Coordinator

Mentor

Head of the Department

Head of the Department
Aeronautical Engineering
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