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 - R20	Batch:	2020-2024
Course Name:	Mechanics of Solids	Course Code:	AAEC01
Semester:	III	Target Value:	60% (1.8)

Attainment of COs:

	Course Outcome	Direct attaiment	Indirect attaiment	Overall attaiment	Observation
CO3	Analyze the effects of various loading conditions on symmetric and un symmetric beams for determining the flexural stresses.	0.90	2.20	1.2	Not Attained
CO5	Make use of different methods such as to find deflections under different loading conditions.	0.90	2.20	1.2	Not Attained
CO4	Illustrate the effects of various loading conditions on symmetric and un symmetric beams for determining the shear stresses.	0.90	2.30	1.2	Not Attained
CO2	Illustrate the shear force and bending moment in beams, for analyzing the structural behavior based on different loading conditions	0.90	2.20	1.2	Not Attained
CO1	Understand the concepts of stress-strain, material constitutional relationship and strain energy for solving the stresses and strain induced in the body under various loading conditions	0.90	2.30	1.2	Not Attained
CO6	Utilize the concept of stresses on inclined planes using graphical and analytical method for further comprehension of aircraft structures. Apply the concepts of shear stress induced in a circular shaft due to torsion, in designing key and shaft for power transmission. interpret the analytical and graphical methods on an oblique section of a strained body for determining the principle stresses, shear stresses and their resultant useful in analysis of stresses.	0.90	2.30	1.2	Not Attained

Action Taken:

CO3: Digital content and videos are given in classes for a better understanding of concept.

CO5: Extra inputs are given to enhance the knowledge in deflection in beams.

CO4: Extra inputs are given to enhance the knowledge in beam stresses.

CO2: Digital content is given to enhance the knowledge on loading conditions.

CO1: Digital content is given to enhance the knowledge on loading conditions.

CO6: Extra inputs are given to enhance the knowledge in analysis of beam stresses.

Course Coordinator

Mentor

Head of the Department

Head of the Department
Aeronautical Engineering
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