



INSTITUTE OF AERONAUTICAL ENGINEERING

(Autonomous)

Dundigal, Hyderabad - 500043, Telangana

AERONAUTICAL ENGINEERING

ATTAINMENT OF COURSE OUTCOME - ACTION TAKEN REPORT

Name of the faculty:	Mr. GUNDA SHIVA KRISHNA	Department:	Aeronautical Engineering
Regulation:	IARE - R20	Batch:	2021-2025
Course Name:	Analysis of Aircraft Structures	Course Code:	AAEC15
Semester:	V	Target Value:	60% (1.8)

Attainment of COs:

Course Outcome	Direct Attainment	Indirect Attainment	Overall Attainment	Observation
CO1 Utilize the Impact Strength and Fatigue Strength concept for interpreting stresses due to axial, bending and torsional loads, effect of inertia, Goodman and Soderberg relationship, and stresses due to combined loading, cumulative fatigue damage	2.30	2.00	2.2	Attained
CO2 Choose Strain Energy and Columns concept for predicting the to axial, bending and Torsional loads, various end conditions, Euler's Column curve, Rankine's formula, and Column with initial curvature	0.90	2.00	1.1	Not Attained
CO3 Inspect Classification and characteristics of composite materials, Combinations of composite materials, for finding the Mechanical Behaviors	3.00	2.00	2.8	Attained
CO4 Develop Basic terminology-laminae, laminates, Manufacture - Initial form of constituent Materials for predicting Layup, Curing, Strength and stiffness Advantages, Cost Advantages, and Weight Advantages	3.00	2.00	2.8	Attained
CO5 Illustrate the concepts General aspects of Shear stress distribution for interpreting end of a closed section beam, Thin-walled rectangular section beam subjected to torsion	0.90	2.00	1.1	Not Attained
CO6 Make use of concept of Torsion of an arbitrary section beam, Distributed torque loading for determining the I-section beam subjected to torsion and Moment couple conditions.	0.90	2.00	1.1	Not Attained

Action Taken Report: (To be filled by the concerned faculty / course coordinator)

CO2: Additional content on predicting the axial, bending and torsional loads is to be provided.

CO5: Digital content on Shear stress distribution is to be provided.

CO6: Additional reading material for determining the I-section beam subjected to torsion and moment couple is to be provided.

Course Coordinator

Mentor

Head of the Department
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