



# INSTITUTE OF AERONAUTICAL ENGINEERING

(Autonomous)

Dundigal, Hyderabad - 500043, Telangana

## AERONAUTICAL ENGINEERING

### ATTAINMENT OF COURSE OUTCOME - ACTION TAKEN REPORT

Name of the faculty:	Dr. BODAVULA ASLESHA	Department:	Aeronautical Engineering
Regulation:	IARE - UG20	Batch:	2022-2026
Course Name:	Aerospace Structures	Course Code:	AAEC06
Semester:	IV	Target Value:	60% (1.8)

#### Attainment of COs:

Course Outcome		Direct Attainment	Indirect Attainment	Overall Attainment	Observation
CO1	Utilize the energy principles to aircraft structural components for interpreting minimal stress loading conditions	1.40	2.40	1.6	Not Attained
CO2	Choose the minimum energy principles and Fourier series solutions to thin rectangular plates subject to a given boundary conditions for predicting the stresses and strains	0.70	2.40	1	Not Attained
CO3	Inspect the deflection and twist produced in thin walled open and closed section beams under torsion loads for designing beams with minimum stresses.	1.40	2.40	1.6	Not Attained
CO4	Develop the elementary beam bending theory to thin walled open and closed section beams for predicting warping and torsion of aircraft structural components	1.30	2.40	1.5	Not Attained
CO5	Illustrate the concepts in structural idealization in transforming complex structural geometries to simple structural geometries used for interpreting the stress distribution on aircraft structures	2.40	2.40	2.4	Attained
CO6	Make use of maximum stress theories to aircraft structural components for determining failure stresses under various loading conditions.	2.10	2.40	2.2	Attained

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

CO1: Additional reading materials on energy principles of aircraft structural components are to be provided.

CO2: Additional assignments for predicting the stresses and strains in thin rectangular plates will be provided.

CO3: Additional reading content for thin walled open and closed section beams is to be provided.

CO4: Digital content on beam bending theory is to be provided for better understanding of the concepts.

B. Aslesha  
Course Coordinator

Mentor

Head of the Department  
Head of the Department  
Aeronautical Engineering  
INSTITUTE OF AERONAUTICAL ENGINEERING  
Dundigal, Hyderabad - 500 043