



# INSTITUTE OF AERONAUTICAL ENGINEERING

(Autonomous)

Dundigal, Hyderabad - 500043, Telangana

## AEROSPACE ENGINEERING

### ATTAINMENT OF COURSE OUTCOME - ACTION TAKEN REPORT

Name of the faculty:	Ms. D ANITHA	Department:	Aerospace Engineering
Regulation:	IARE - R21	Batch:	2022-2024
Course Name:	Advanced Computational Structures Laboratory	Course Code:	BAEC24
Semester:	II	Target Value:	60% (1.8)

#### Attainment of COs:

	Course Outcome	Direct Attainment	Indirect Attainment	Overall Attainment	Observation
CO1	Develop the appropriate method for predicting ultimate load on wing using ANSYS.	0.90	0.00	0.9	Not Attained
CO2	Estimate the rocket motor case loading for the launch vehicle by using computational tools.	0.90	0.00	0.9	Not Attained
CO3	Examine the thermal and structural loading on exposed components during the flight mission for obtaining airworthiness suitability.	0.90	0.00	0.9	Not Attained
CO4	Make use of the structural fatigue concept for obtaining desired operational characteristics.	0.90	0.00	0.9	Not Attained
CO5	Analyze the effect of fracture during bird hit using L S Dyna simulation for failure rate of an aircraft.	0.90	0.00	0.9	Not Attained
CO6	Determine the failure mode during fracture of an aircraft component for assessing crack propagation.	0.90	0.00	0.9	Not Attained

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

CO1: Additional exercises on wing loading are to be provided for better understanding of the concept.

CO2: Additional exercises on rocket motor case loading are to be provided for better understanding of the concept.

CO3: Additional exercises on airworthiness suitability are to be provided for better understanding of the concept.

CO4: Additional exercises on fatigue concept are to be provided for better understanding of the concept.

CO5: Additional exercises on fracture analysis are to be provided for better understanding of the concept.

CO6: Additional exercises on failure mode analysis are to be provided for better understanding of the concept.

Course Coordinator

Mentor

Head of the Department  
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