INSTITUTE OF AERONAUTICAL ENGINEERING

(Autonomous)

Dundigal, Hyderabad - 500 043

AERONAUTICAL ENGINEERING

ATTAINMENT OF COURSE OUTCOME – ACTION TAKEN REPORT

Name of Faculty:	Dr.Aravind Rajan Ayagara	Department:	Aerospace Engineering
Regulation:	R-18	Batch:	2020-2022
Course Name:	Computational Structures Laboratory	Course Code:	BAEB20
Semester:	IInd Semester	Target Value:	**1.8**

Course Outcome		Direct attainment	Indirect attainment	Overall attainment	Observation
CO 1	Develop the appropriate method for predicting ultimate load on wing using ANSYS.	1.60	-	1.6	Not Attained
CO 2	Estimate the rocket motor case loading for the launch vehicle by using computational tools.	1.60	-	1.6	Not Attained
CO 3	Examine the thermal and structural loading on exposed components during the flight mission for obtaining airworthiness suitability.	1.60	-	1.6	Not Attained
CO 4	Make use of the structural fatigue concept for obtaining desired operational characteristics.	1.60	-	1.6	Not Attained
CO 5	Analyze the effect of fracture during bird hit using L S Dyna simulation for failure rate of an aircraft.	1.60	-	1.6	Not Attained
CO 6	Determine the failure mode during fracture of an aircraft component for assessing crack propagation.	1.60	-	1.6	Not Attained

Action taken report (To be filled by the concerned faculty/ course coordinator):

CO 1: Digital content and videos are provided for practicing
CO 2: Additional materials are provided on how to use computational tools effectively
CO 3: Real application problems materials are provided
CO 4: Digital content is provided for a better understanding of the concepts
CO 5: Digital content are hand over on LS Dyna
CO 6: Additional inputs are given on crack propagation

Course Coordinator **Mentor** **HOD**

Head of the Department
Aeronautical Engineering
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