



# INSTITUTE OF AERONAUTICAL ENGINEERING

(Autonomous)

Dundigal, Hyderabad - 500 043

## AERONAUTICAL ENGINEERING

### ATTAINMENT OF COURSE OUTCOME – ACTION TAKEN REPORT

Name of the faculty:	<b>Ms. Ch Ragha Leena</b>	Department:	<b>Aeronautical</b>
Regulation:	<b>IARE - R16</b>	Batch:	<b>2017 - 2021</b>
Course Name:	<b>Computational Structural Analysis Laboratory</b>	Course Code:	<b>AAE111</b>
Semester:	<b>VII</b>	Target Value:	<b>90% (1.8)</b>


#### Attainment of COs:

Course Outcome		Direct attainment	Indirect attainment	Overall attainment	Observation
CO1	Apply finite element method to get deflections and displacements at different grid points of a domain using discretization technique.	2.3	-	2.3	Attainment target reached
CO2	Determine the nature of stress-strain distribution for the appropriate governing equations.	2.3	-	2.3	Attainment target reached
CO3	Demonstrate the computational methods and algorithms that will affect the approximate solution obtained through ANSYS.	2.3	-	2.3	Attainment target reached
CO4	Solve the parameters of plate subjected to loads using simulation methods to validate numerical and experimental results.	2.3	-	2.3	Attainment target reached
CO5	Analyze the constitutive behavior of different aircraft grade materials and compare them with experimental results.	2.3	-	2.3	Attainment target reached
CO6	Analyze the numerical solution of structure problems using discretization methods and convergence criteria to minimize the errors.	2.3	-	2.3	Attainment target reached

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

  
Course Coordinator

  
Mentor

  
Head of the Department  
Aeronautical Engineering  
HOD:  
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