



# INSTITUTE OF AERONAUTICAL ENGINEERING

(Autonomous)

Dundigal, Hyderabad - 500 043

## AERONAUTICAL ENGINEERING

### ATTAINMENT OF COURSE OUTCOME – ACTION TAKEN REPORT

Name of the faculty:	<b>Mr. GSD Madhav</b>	Department:	<b>Aeronautical Engineering</b>
Regulation:	<b>IARE - R16</b>	Batch:	<b>2016 - 2020</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.	3.0	0	3.0	Attainment target reached
CO2 Determine the nature of stress-strain distribution for the appropriate governing equations.	3.0	0	3.0	Attainment target reached
CO3 Demonstrate the computational methods and algorithms that will affect the approximate solution obtained through ANSYS.	3.0	0	3.0	Attainment target reached
CO4 Solve the parameters of plate subjected to loads using simulation methods to validate numerical and experimental results.	3.0	0	3.0	Attainment target reached
CO5 Analyze the constitutive behavior of different aircraft grade materials and compare them with experimental results.	3.0	0	3.0	Attainment target reached
CO6 Analyze the numerical solution of structure problems using discretization methods and convergence criteria to minimize the errors.	3.0	0	3.0	Attainment target reached

#### Action taken report:

  
Course Coordinator

  
Mentor

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