



# INSTITUTE OF AERONAUTICAL ENGINEERING

(Autonomous)

Dundigal, Hyderabad - 500043, Telangana

## AERONAUTICAL ENGINEERING

### ATTAINMENT OF COURSE OUTCOME - ACTION TAKEN REPORT

Name of the faculty:	Dr. ARAVIND RAJAN AYAGARA	Department:	Aeronautical Engineering
Regulation:	IARE - R18	Batch:	2018-2022
Course Name:	Computational Structural Analysis Laboratory	Course Code:	AAEB23
Semester:	VI	Target Value:	60% (1.8)


#### Attainment of COs:

Course Outcome	Direct attainment	Indirect attainment	Overall attainment	Observation
C01 Apply finite element method to get deflections and displacements at different grid points of a domain using discretization technique	3.00	0.00	3	Attained
C02 Determine the nature of stress-strain distribution for the appropriate governing equations.	3.00	0.00	3	Attained
C03 Demonstrate the computational methods and algorithms that will affect the approximate solution obtained through ANSYS.	3.00	0.00	3	Attained
C04 Solve the parameters of plate subjected to loads using simulation methods to validate numerical and experimental results.	3.00	0.00	3	Attained
C05 Analyze the constitutive behavior of different aircraft grade materials and compare them with experimental results.	3.00	0.00	3	Attained
C06 Analyze the numerical solution of structure problems using discretization methods and convergence criteria to minimize the errors.	3.00	0.00	3	Attained

#### Action taken report:

  
Course Coordinator

  
Mentor

  
Head of the Department  
Head of the Department  
Aeronautical Engineering  
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