



## AERONAUTICAL ENGINEERING

### ATTAINMENT OF COURSE OUTCOME - ACTION TAKEN REPORT

Name of the faculty:	Mr. S DEVARAJ	Department:	Aeronautical Engineering
Regulation:	IARE - R18	Batch:	2019-2023
Course Name:	Finite Element Analysis	Course Code:	AAEB19
Semester:	VI	Target Value:	60% (1.8)

#### Attainment of COs:

Course Outcome	Direct attainment	Indirect attainment	Overall attainment	Observation
CO1 Explain the discretization concepts and shape functions of structural members for computing displacements and stresses.	0.60	2.30	0.9	Not Attained
CO2 Make use of shape functions of truss and beam elements for obtaining stiffness matrix and load vector to compute nodal displacement, stresses.	0.30	2.40	0.7	Not Attained
CO3 Apply the discreet models of CST element for estimating displacement and stress.	0.90	2.30	1.2	Not Attained
CO4 Make use of axi-symmetric modelling concepts to solids of revolution for stress approximation	0.90	2.30	1.2	Not Attained
CO5 Apply numerical techniques to heat transfer problems to compute the temperature gradients under various thermal boundary conditions	0.90	2.30	1.2	Not Attained
CO6 Develop the governing equations for the dynamic systems to estimate circular frequency and mode shapes, in correlation with modern tools	0.60	2.30	0.9	Not Attained

#### Action Taken:

CO1: Digital content and videos are given in classes for a better understanding of concept.

CO2: Additional reading materials are provided

CO3: Extra inputs are given to enhance the knowledge


CO4: Additional Assignments are given

CO5: Digital content is given to enhance the knowledge

CO6: Extra inputs are given to enhance the knowledge

  
Course Coordinator

  
Mentor

  
Head of the Department  
Head of the Department  
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