INSTITUTE OF AERONAUTICAL ENGINEERING

(Autonomous)

Dundigal, Hyderabad - 500 043

MECHANICAL ENGINEERING

ATTAINMENT OF COURSE OUTCOME – ACTION TAKEN REPORT

Name of the faculty:	**Mr C Labesh Kumar**	Department:	**ME**
Regulation:	**IARE - R16**	Batch:	**2017 - 2021**
Course Name:	**Finite Element Modelling**	Course Code:	**AME014**
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.	2.70	2.50	2.7	Attainment target reached
CO2	Make use of shape functions of truss and beam elements for obtaining stiffness matrix and load vector to compute nodal displacement, stresses.	1.70	2.50	1.9	Attainment target reached
CO3	Apply the discrete models of CST element for estimating displacement and stress.	1.30	2.40	1.5	Attainment target not reached
CO4	Make use of axi-symmetric modelling concepts to solids of revolution for stress approximation.	3.00	2.50	2.9	Attainment target reached
CO5	Apply numerical techniques for heat transfer problems to compute the temperature gradients under various thermal boundary conditions.	2.30	0.00	1.8	Attainment target reached
CO6	Develop the governing equations for the dynamic systems to estimate circular frequency and mode shapes, in correlation with modern tools.	3.00	0.00	2.4	Attainment target reached

Action taken report:

CO3: More exercise has to be given for discrete models of CST element.

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

Head of the Department
Mechanical Engineering
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