INSTITUTE OF AERONAUTICAL ENGINEERING

(Autonomous)

Dundigal, Hyderabad - 500 043

AERONAUTICAL ENGINEERING

ATTAINMENT OF COURSE OUTCOME – ACTION TAKEN REPORT

Name of the faculty:	**Mr. S Devaraj**	Department:	**Aeronautical Engineering**
Regulation:	**IARE - R16**	Batch:	**2017 - 2021**
Course Name:	**Finite Element Methods**	Course Code:	**AAE009**
Semester:	**V**	Target Value:	**60% (1.8)**

Attainment of COs:

	Course Outcome	Direct attainment	Indirect attainment	Overall attainment	Observation
CO 1	Explain the discretization concepts and shape functions of structural members for computing displacements and stresses.	1.6	2.6	1.8	Attainment target reached
CO 2	Make use of shape functions of truss and beam elements for obtaining stiffness matrix and load vector to compute nodal displacement, stresses.	1.6	2.6	1.8	Attainment target reached
CO 3	Apply the discreet models of CST element for estimating displacement and stress.	1.6	2.6	1.8	Attainment target reached
CO 4	Make use of axi-symmetric modelling concepts to solids of revolution for stress approximation	0.9	2.6	1.2	Attainment target is not reached
CO 5	Apply numerical techniques of heat transfer problems to compute the temperature gradients under various thermal boundary conditions	0.9	2.6	1.2	Attainment target is not reached
CO 6	Develop the governing equations for the dynamic systems to estimate circular frequency and mode shapes, in correlation with modern tools	0.9	2.6	1.2	Attainment target is not reached

Action taken report:

CO 4: Digital content and videos given in classes for better understanding of concept.

CO 5: Application oriented problems may be given.

CO 6: Real time application may be better for attainment.

Course Coordinator

Mentor

HOD