INSTITUTE OF AERONAUTICAL ENGINEERING
(Autonomous)
Dundigal, Hyderabad - 500043, Telangana

MECHANICAL ENGINEERING

ATTAINMENT OF COURSE OUTCOME - ACTION TAKEN REPORT

Name of the faculty:	**Dr. VVS HARNADH PRASAD**	Department:	**Mechanical Engineering**
Regulation:	**IARE - R20**	Batch:	**2020-2024**
Course Name:	**Finite Element Methods**	Course Code:	**AMEC27**
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	3.00	2.20	2.8	Attained
CO2	Make use of shape functions of truss and beam elements for obtaining stiffness matrix and load vector to compute nodal displacement, stresses	2.70	2.30	2.6	Attained
CO3	Apply the discreet models of CST element for estimating displacement and stress	3.00	2.20	2.8	Attained
CO4	Make use of axi-symmetric modelling concepts to solids of revolution for stress approximation	3.00	2.20	2.8	Attained
CO5	Apply numerical techniques for heat transfer problems to compute the temperature gradients under various thermal boundary conditions	3.00	2.20	2.8	Attained
CO6	Develop the governing equations for the dynamic systems to estimate circular frequency and mode shapes, in correlation with modern tools	3.00	2.20	2.8	Attained

Action Taken Report: (To be filled by the concerned faculty / course coordinator)

Course Coordinator **Mentor** **Head of the Department**

Head of the Department
Mechanical Engineering
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