



INSTITUTE OF AERONAUTICAL ENGINEERING

(Autonomous)

Dundigal, Hyderabad - 500043, Telangana

MECHANICAL ENGINEERING

ATTAINMENT OF COURSE OUTCOME - ACTION TAKEN REPORT

Name of the faculty:	Dr. C LABESH KUMAR	Department:	Mechanical Engineering
Regulation:	IARE - BT23	Batch:	2023-2027
Course Name:	Finite Element Analysis	Course Code:	AMED19
Semester:	V	Target Value:	60% (1.8)

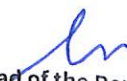
Attainment of COs:

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.	2.40	2.60	2.4	Attained
CO2 Make use of shape functions of truss and beam elements for obtaining stiffness matrix and load vector to compute nodal displacement, stresses	2.40	2.60	2.4	Attained
CO3 Apply the discret models of CST element for estimating displacement and stress	2.40	2.60	2.4	Attained
CO4 Make use of axi-symmetric modelling concepts to solids of revolution for stress approximation	3.00	2.60	2.9	Attained
CO5 Apply numerical techniques for heat transfer problems to compute the temperature gradients under various thermal boundary conditions.	2.40	2.60	2.4	Attained
CO6 Develop the governing equations for the dynamics systems to estimate circular frequency and mode shapes in correlation with modern tools.	2.40	2.60	2.4	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
INSTITUTE OF AERONAUTICAL ENGINEERING
Dundigal, Hyderabad - 500 043