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

AERONAUTICAL ENGINEERING

ATTAINMENT OF COURSE OUTCOME - ACTION TAKEN REPORT

Name of the faculty:	Dr. ARAVIND RAJAN AYAGARA	Department:	Aeronautical Engineering
Regulation:	IARE - R18	Batch:	2018-2022
Course Name:	Finite Element Analysis	Course Code:	AAEB19
Semester:	VI	Target Value:	60% (1.8)

Attainment of COs:

	Course Outcome	Direct attaiment	Indirect attaiment	Overall attaiment	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.	2.00	2.30	2.1	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	0.60	2.20	0.9	Not Attained
CO6	Develop the governing equations for the dynamic systems to estimate circular frequency and mode shapes, in correlation with modern tools	1.30	2.20	1.5	Not Attained

Action taken report:

CO3:
Digital content and videos are given in classes for a better understanding of concept

CO4:
Additional reading materials are provided

CO5:
Additional inputs are given to enhance the knowledge

CO6:
Additional reading materials are provided

Course Coordinator

Mentor

Head of the Department

Head of the Department
Aeronautical Engineering
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