



# INSTITUTE OF AERONAUTICAL ENGINEERING

(Autonomous)

Dundigal, Hyderabad - 500 043

## AERONAUTICAL ENGINEERING

### ATTAINMENT OF COURSE OUTCOME – ACTION TAKEN REPORT

Name of the faculty:	<b>Dr D Govardhan</b>	Department:	<b>Aeronautical Engineering</b>
Regulation:	<b>IARE - R16</b>	Batch:	<b>2016 - 2020</b>
Course Name:	<b>Theory of Structures</b>	Course Code:	<b>AAE002</b>
Semester:	<b>III</b>	Target Value:	<b>55% (1.8)</b>

#### Attainment of COs:

Course Outcome		Direct attainment	Indirect attainment	Overall attainment	Observation
CO 1	Choose basics of elasticity for determining the mechanical properties in designing aircraft structural components.	0.6	2.6	1	Attainment target is not yet reached.
CO 2	Analyze the effects of various loading conditions on symmetric and un symmetric beams for determining the flexural and shear stresses.	0.3	2.6	0.8	Attainment target is not yet reached.
CO 3	Make use of different methods such as to find deflections under different loading conditions.	1.7	2.6	1.9	Attainment target reached
CO 4	Evaluate the buckling of a column using Eigen values and Eigen vectors to understand the required strength of a column.	1.4	2.6	1.6	Attainment target is not yet reached.
CO 5	Differentiate the different alternative methods available for determining the behaviour of trusses.	0.3	2.7	0.8	Attainment target is not yet reached.
CO 6	Utilize the concept of stresses on inclined planes using graphical and analytical method for further comprehension of aircraft structures.	0.3	2.6	0.8	Attainment target is not yet reached.

#### Action taken report:

CO 1: Assignments concentrating on basics of structures may be given.

CO 2: Minor correction of syllabus based on learning curve may be suggested.

CO 4: Bridging course on mathematical techniques will make students understand the Eigen values and vectors.

CO 5: Application oriented teaching methods may help improving the attainment values.

CO 6: Application oriented teaching methods may help improving the attainment values.

  
Course Coordinator

  
Mentor

Head of the Department  
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