



# 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>Engineering Mechanics</b>	Course Code:	<b>AME002</b>
Semester:	<b>II</b>	Target Value:	<b>60% (1.8)</b>

#### Attainment of COs:

Course Outcome		Direct attainment	Indirect attainment	Overall attainment	Observation
CO1	Make use of Principles for rectilinear motion of particles to solve problems in motion curves, rigid body motion and fixed axis rotation	0.00	2.10	0.4	Attainment target is not yet reached
CO2	Apply D'Alembert's principle to a dynamic equilibrium system by introducing the inertia force for knowing the acceleration and forces involved in the system.	0.30	2.10	0.7	Attainment target is not yet reached
CO3	Develop the relations for the motion of body in lift and on inclined plane to identify the unknown forces and the forces due to gravity	0.60	2.00	0.9	Attainment target is not yet reached
CO4	Understand the concept of virtual work to solve problems involving displacements and time with respect to impact and impulse momentum equation	0.90	2.10	1.1	Attainment target is not yet reached
CO5	Determine the effect of law of conversation of energy when the system involves before and after collision occurs	0.90	2.00	1.1	Attainment target is not yet reached
CO6	Develop the governing equation for momentum and vibrational phenomenon of mechanical system by using energy principles for obtaining co efficient and circular frequency	0.60	0.00	0.5	Attainment target is not yet reached

#### Action taken report:

CO 1: Digital content and assignments have to be increased.

CO 2: Remedial classes have been conducted.

CO 3: Remedial classes have been conducted.


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

  
Head of the Department  
Aeronautical Engineering  
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HOD