



INSTITUTE OF AERONAUTICAL ENGINEERING

(Autonomous)

Dundigal, Hyderabad - 500 043

CIVIL ENGINEERING

ATTAINMENT OF COURSE OUTCOME – ACTION TAKEN REPORT

Name of the faculty:	Dr B D Y Sunil	Department:	CE
Regulation:	IARE - R16	Batch:	2016 - 2020
Course Name:	Engineering Mechanics	Course Code:	AME002
Semester:	II	Target Value:	60% (1.8)

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	0.60	2.30	0.9	Attainment target not 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.	0.60	2.30	0.9	Attainment target not 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	0.90	2.30	1.2	Attainment target not reached
CO4 Understand the concept of virtual work to solve problems involving displacements and time with respect to impact and impulse momentum equation	0.60	2.30	0.9	Attainment target not reached
CO5 Determine the effect of law of conversation of energy when the system involves before and after collision occurs	0.60	2.30	0.9	Attainment target not 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 not reached

Action taken report:

CO1: Need to provide the more problems and assignments on rectilinear motion of particles which enables the students to gain more problem-solving skills.

CO2: Need to provide the more problems and assignments on D'Alembert's principle to a dynamic equilibrium system which enables the students to gain more problem-solving skills.

CO3: Need to provide the more problems and assignments on motion of body in lift and on inclined plane which enables the students to gain more problem-solving skills.

CO4: Need to provide the more problems and assignments on concept of virtual work involving displacements and time which enables the students to gain more problem-solving skills.

CO5: Need to provide the more problems and assignments on law of conservation of energy which enables the students to gain more problem-solving skills.

CO6: Need to provide the more problems and assignments on equation for momentum and vibrational phenomenon of mechanical system which enables the students to gain more problem-solving skills.


Course Coordinator


Mentor


Head of the Department
Civil Engineering

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