INSTITUTE OF AERONAUTICAL ENGINEERING

(Autonomous)

Dundigal, Hyderabad - 500 043

MECHANICAL ENGINEERING

ATTAINMENT OF COURSE OUTCOME – ACTION TAKEN REPORT

Name of the faculty:	**Prof. N. Krishna Mohan**	Department:	**ME**
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	2.10	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	2.10	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	0.30	2.40	0.7	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	0.00	2.10	0.4	Attainment target not reached
CO5	Determine the effect of law of conversation of energy when the system involves before and after collision occurs	0.30	2.10	0.7	Attainment target to 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	0.00	2.40	0.5	Attainment target not reached

0.68

Action taken report:

CO1: Tutorials classes to be conducted for solving problems on motion curves, rigid body motion and fixed axis rotation.
CO2: More assignments may be given on D'Alembert's principle.
CO3: More assignments may be given for better improvement.
CO4: More problems to be solved on the concept of virtual work.
CO5: More examples to be given on law of conversation of energy.
CO6: More problems to be given for better improvement.

Course Coordinator **Mentor** **HOD**

Head of the Department
Mechanical Engineering
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