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

MECHANICAL ENGINEERING

ATTAINMENT OF COURSE OUTCOME - ACTION TAKEN REPORT

Name of the faculty:	**Dr. BDY SUNIL**	Department:	**Mechanical Engineering**
Regulation:	**IARE - R18**	Batch:	**2019-2023**
Course Name:	**ENGINEERING MECHANICS**	Course Code:	**AMEB03**
Semester:	**III**	Target Value:	**60% (1.8)**

Attainment of COs:

	Course Outcome	Direct attaiment	Indirect attaiment	Overall attaiment	Observation
CO1	Make use of Principles for rectilinear motion of particles to solve problems in motion curves, rigid body motion and fixed axis rotation	2.30	2.10	2.3	Attained
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.	0.90	2.10	1.1	Not Attained
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	1.60	2.10	1.7	Not Attained
CO4	Understand the concept of virtual work to solve problems involving displacements and time with respect to impact and impulse momentum equation	1.60	2.10	1.7	Not Attained
CO5	Determine the effect of law of conversation of energy when the system involves before and after collision occurs	0.90	2.30	1.2	Not Attained
CO6	Develop the governing equation for momentum and vibrational phenomenon of mechanical system by using energy principles for obtaining co efficient and circular frequency	1.60	2.30	1.7	Not Attained

Action Taken:

CO2: More assignments may be given on the D-Alemberts principle.
CO3: More assignments may be given on problems involving gravitational force.
CO4: More problems are to be solved on the concept of virtual work.
CO5: More examples are to be given on the law of conversation of energy.
CO6: More examples are to be given on finding the frequency of vibrations.

Course Coordinator

Mentor

Head of the Department

Head of the Department
Mechanical Engineering
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