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

CIVIL ENGINEERING

ATTAINMENT OF COURSE OUTCOME - ACTION TAKEN REPORT

Name of the faculty:	**Mr. GNV SAI TEJA**	Department:	**Civil Engineering**
Regulation:	**IARE - R18**	Batch:	**2019-2023**
Course Name:	**ENGINEERING MECHANICS**	Course Code:	**AMEB03**
Semester:	**III**	Target Value:	**50% (1.5)**

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	2.60	2.4	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.	1.60	2.80	1.8	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	2.20	1.7	Attained
CO4	Understand the concept of virtual work to solve problems involving displacements and time with respect to impact and impulse momentum equation	0.60	2.50	1	Not Attained
CO5	Determine the effect of law of conversation of energy when the system involves before and after collision occurs	0.60	2.80	1	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	1.30	2.50	1.5	Attained

Action Taken:

CO4: Digital content and Assignments are provided to understand displacements and time with respect to impact and impulse momentum equation

CO5: Additional materials and video lectures will be provided to understand the law of conversation of energy when the system involves before and after collision occurs

Course Coordinator **Mentor** **Head of the Department**

Head of the Department
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