



INSTITUTE OF AERONAUTICAL ENGINEERING

(Autonomous)

Dundigal, Hyderabad - 500043, Telangana

MECHANICAL ENGINEERING

ATTAINMENT OF COURSE OUTCOME - ACTION TAKEN REPORT

Name of the faculty:	Dr. VVS HARNADH PRASAD	Department:	Mechanical Engineering
Regulation:	IARE - UG20	Batch:	2022-2026
Course Name:	Dynamics of Machinery	Course Code:	AMEC18
Semester:	V	Target Value:	60% (1.8)

Attainment of COs:

	Course Outcome	Direct Attainment	Indirect Attainment	Overall Attainment	Observation
CO1	Discuss the Gyroscopes, effect of precession motion on the stability of moving vehicles such as motor car, motor cycle, aeroplanes and ships.	3.00	2.60	2.9	Attained
CO2	Determine the angle of heel to avoid upside down of a two wheeler vehicle while taking in left and right turns.	2.70	2.60	2.7	Attained
CO3	Illustrate the static and dynamic force analysis of two and three force members by graphical super position method.	3.00	2.70	2.9	Attained
CO4	Apply the laws of friction on clutches, brakes and dynamometers to reduce the power losses for the effective torque transmission.	3.00	2.60	2.9	Attained
CO5	Justify the importance of torque and fluctuation of speeds for single and multi cylindered engines and governors to increase the mechanical efficiency.	3.00	2.70	2.9	Attained
CO6	Determine the balanced mass and natural frequency for unbalanced rotary and reciprocating engines by analytical and graphical methods and equations of motion.	3.00	2.60	2.9	Attained

Action Taken Report: (To be filled by the concerned faculty / course coordinator)


Course Coordinator


Mentor


Head of the Department
Mechanical Engineering
INSTITUTE OF AERONAUTICAL ENGINEERING
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