



INSTITUTE OF AERONAUTICAL ENGINEERING

(Autonomous)

Dundigal, Hyderabad - 500043, Telangana

MECHANICAL ENGINEERING

ATTAINMENT OF COURSE OUTCOME - ACTION TAKEN REPORT

Name of the faculty:	Dr. K VISWANATH ALLAMRAJU	Department:	Mechanical Engineering
Regulation:	IARE - R18	Batch:	2018-2022
Course Name:	Dynamics of Machinery	Course Code:	AMEB17
Semester:	V	Target Value:	60% (1.8)

Attainment of COs:

Course Outcome	Direct attainment	Indirect attainment	Overall attainment	Observation
CO1 Discuss the effect of precession motion on the stability , the static and dynamic force analysis of dynamic and static members.	3.00	2.40	2.9	Attained
CO2 Apply the laws of friction on clutches, brakes and dynamometers to reduce the power losses for the effective torque transmission.	3.00	2.40	2.9	Attained
CO3 Justify the importance of torque and fluctuation of speeds for single and multi cylindered engines to increase the mechanical efficiency.	3.00	2.40	2.9	Attained
CO4 Estimate the height of a governor to regulate the speed of a prime mover at various load conditions.	2.70	2.30	2.6	Attained
CO5 Determine the balanced mass for unbalanced rotary and reciprocating engines by analytical and graphical methods.	2.10	2.40	2.2	Attained
CO6 Develop a mathematical modelling of free and forced vibration systems under damped and un-damped conditions to avoid the vibratory damages of aero-mechanical-civil structures and electrical and electronic components at various operated frequencies.	2.40	2.30	2.4	Attained

Action Taken:


Course Coordinator


Mentor


Head of the Department

Head of the Department
Mechanical Engineering
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