



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 - R18	Batch:	2019-2023
Course Name:	KINEMATICS OF MACHINES	Course Code:	AMEB10
Semester:	IV	Target Value:	60% (1.8)

Attainment of COs:

Course Outcome	Direct attainment	Indirect attainment	Overall attainment	Observation
CO1 Discuss the types of the kinematic synthesis for building a mechanism/Machine for mobility.	1.60	2.30	1.7	Not Attained
CO2 Illustrate the velocity and acceleration analysis of various mechanisms by relative velocity method and I Center method.	0.90	2.30	1.2	Not Attained
CO3 Identify the various mechanisms for the approximate straight line motions.	0.90	2.20	1.2	Not Attained
CO4 Justify the importance of steering gear mechanisms for optimum operation of automobile vehicles.	1.60	2.20	1.7	Not Attained
CO5 Develop the Cam profiles for different motions of various followers .	0.90	2.20	1.2	Not Attained
CO6 Illustrate the design function of planetary gear train system and its methods of evaluation for gear train value.	0.90	2.20	1.2	Not Attained

Action Taken:

CO1: More assignments to be given on the kinematics of machines and mechanisms.

CO2: More problems to be solved on the application of the relative velocity method and I Center methods in finding the velocity and acceleration of various mechanisms.

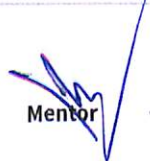
CO3: More tutorials may be conducted in identifying approximate straight-line motion in various mechanisms.


CO4: More assignments to be given on steering gear mechanism used in an automobile.

CO5: More tutorials to be conducted on the development of the Cam profiles for different motions of various followers.

CO6: More problems may be solved on evaluation of gear train value of planetary gear train system.


Course Coordinator


Mentor


Head of the Department

Head of the Department
Mechanical Engineering
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