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

MECHANICAL ENGINEERING

ATTAINMENT OF COURSE OUTCOME - ACTION TAKEN REPORT

Name of the faculty:	**Mr. G ARAVIND REDDY**	Department:	**Mechanical Engineering**
Regulation:	**IARE - R18**	Batch:	**2019-2023**
Course Name:	**Automobile Engineering**	Course Code:	**AMEB33**
Semester:	**V**	Target Value:	**60% (1.8)**

Attainment of COs:

	Course Outcome	Direct attaiment	Indirect attaiment	Overall attaiment	Observation
CO1	Identify the basic components of automobile and working principles Of fuel injection systems to meet the load demands and compare the fuel supply system of petrol and diesel engines to compute thermal efficiencies and limitations.	0.90	2.30	1.2	Not Attained
CO2	Explain the working and operation process of various types of cooling systems used in automobile and also identify the various ignition systems and electrical circuits related to lighting horn.	0.90	2.30	1.2	Not Attained
CO3	Analyze the power transmission through clutches, gears, propeller shafts, universal joints and differential gear boxes to achieve differential outputs.	0.90	2.30	1.2	Not Attained
CO4	Demonstrate different suspension systems used in motor bikes, cars, trucks for effective travel under several load conditions.	0.90	2.30	1.2	Not Attained
CO5	Select the correct steering mechanism by comparing various steering mechanisms and calculate the braking force in order to stop the vehicle safety and choose respective braking system.	0.90	2.30	1.2	Not Attained
CO6	Analyze the alternative energy sources, alternative fuels in order to reduce the emissions coming from automobiles and choose the suitable system and its technological developments for environmental friendly automobiles in the real world applications.	0.90	2.20	1.2	Not Attained

Action Taken:

CO1: Additional Tutorial hours are required for basic components of automobiles and working principles Of fuel injection systems.
CO2: More exercises are needed for practice in types of cooling systems used in automobile.
CO3: Additional practice hours are required for power transmission through clutches, gears, propeller shafts.
CO4: More exercises are needed for a suspension system.
CO5: More exercises are needed for steering mechanism.
CO6: More tutorial to be conducted on Analyze the alternative energy sources, alternative fuels.

Course Coordinator

Mentor

Head of the Department

Head of the Department
Mechanical Engineering
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