



INSTITUTE OF AERONAUTICAL ENGINEERING

(Autonomous)

Dundigal, Hyderabad - 500 043

AERONAUTICAL ENGINEERING

ATTAINMENT OF COURSE OUTCOME – ACTION TAKEN REPORT

Name of the faculty:	PRASHANTH REDDY	Department:	Aeronautical Engineering
Regulation:	R16	Batch:	2017-2021
Course Name:	Introduction to Automobile Engineering	Course Code:	AME552
Semester:	VI	Target Value:	60% (1.8)

Attainment of COs:


Course Outcome		Direct attainment	Indirect attainment	Overall attainment	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.	2.7	2.6	2.7	Attainment target not reached
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.	1.7	2.5	1.9	Attainment target not reached
CO3	Analyze the power transmission through clutches, gears, propeller shafts, universal joints and differential gear boxes to achieve differential outputs.	2.0	2.5	2.1	Attainment target not reached
CO4	Demonstrate different suspension systems used in motor bikes, cars, trucks for effective travel under several load conditions.	3.0	2.6	2.9	Attainment target reached
CO5	Select the correct steering mechanism by comparing various steering mechanisms and calculate the braking force in order to stop the vehicle safely and choose respective braking system.	2.3	2.5	2.3	Attainment target reached
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.	0.9	2.5	1.2	Attainment target reached

Action taken report:

CO 6: Minor modification of syllabus may be required for attainment.


Course Coordinator


Mentor


Head of the Department
Aeronautical Engineering
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