



INSTITUTE OF AERONAUTICAL ENGINEERING

(Autonomous)

Dundigal, Hyderabad - 500 043

MECHANICAL ENGINEERING

ATTAINMENT OF COURSE OUTCOME – ACTION TAKEN REPORT

| | | | |
|----------------------|-------------------------------|---------------|--------------------|
| Name of the faculty: | Mr. G Sarat Raju | Department: | ME |
| Regulation: | IARE - R16 | Batch: | 2017 - 2021 |
| Course Name: | Automobile Engineering | Course Code: | AME020 |
| Semester: | VIII | 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. | 0.60 | 2.40 | 2.4 | Attainment target 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. | 0.30 | 2.40 | 2.1 | Attainment target reached |
| CO3 | Analyze the power transmission through clutches, gears, propeller shafts, universal joints and differential gear boxes to achieve differential outputs. | 2.30 | 2.40 | 2.6 | Attainment target reached |
| CO4 | Demonstrate different suspension systems used in motor bikes, cars, trucks for effective travel under several load conditions. | 0.90 | 2.40 | 2.4 | 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 safety and choose respective braking system. | 0.90 | 2.40 | 1 | Attainment target not 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. | 0.90 | 2.40 | 1.8 | Attainment target reached |

Action taken report:

CO5: More problems may be given on steering mechanism for better improvement.

Course Coordinator

Mentor


Head of the Department,
Mechanical Engineering

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