

## List of Laboratories

- Fluid Mechanics and Machinery Laboratory
- Automotive Components Laboratory
- Computer aided machine drawing
- Engine Performance and Emission Testing Laboratory
- Automotive Electrical and Electronics Laboratory
- Automotive Fuels and Lubricants Laboratory
- Computer Aided Engine and Chassis Design Laboratory
- Two and Three Wheelers Laboratory
- Vehicle Maintenance Laboratory

## LABORATORIES

### Automotive Components Laboratory

The Automotive Components laboratory which is one of the important laboratories in the Automobile Engineering was established in the year 2010. The automotive components lab has equipped with Multi cylinder engine, Four wheel drive and Air brake system, etc. The lab includes both academic and research based equipment in order to experience the skill of dismantling and assembling of Engines, Engine components and Chassis Components.



## Engine Performance and Emission Testing Laboratory

The engine performance and emission testing laboratory which is one of the important laboratory in the Automobile Engineering department was launched in 2011, provides faculty and students with resources to conduct experimental research on internal combustion engines. The lab includes both academic and research based equipment in order to study the combustion characteristics, engine performance and emission measurement. All the engines are equipped with eddy current dynamometers which increase the loading accuracy.



## Automotive Electrical and Electronics Laboratory

Automotive electrical and electronics laboratory established in the year 2015 for Academic purpose. It focused the students to Identify charging, starting, ignition, accessory-circuit components, their functions, maintenance procedures, types of automotive wiring, types of terminals, and wiring diagrams.



## Vehicle Maintenance Laboratory

Automobile Department having vehicle servicing and testing lab facility with highly sophisticated testing instruments. This lab is useful for the complete servicing of two and four wheelers. It is having a car with onboard diagnosis equipment.



## Two and Three Wheeler Laboratory

The laboratory has various two wheelers and three wheelers to conduct all the tests specified in the curriculum of Anna University.

- Two wheeler chassis dynamometer.
- Two wheeler engines with transmission system.
- Three wheeler with engine, chassis, and transmission system.
- Shock absorber test Apparatus.
- Coil spring test Apparatus.
- Two wheeler with electronic fuel injection and Open ECU.



## Automotive Fuels and Lubricants Laboratory

This laboratory helps to produce high focused independent practical skill on fuels and lubricants among students. It also serves the students to determine properties of several fuels and lubricants; compare them with standards so as to get an idea about its quality. This lab will supplement theoretical inputs in the Automotive Fuels and Lubricants testing laboratory course.

