

# AUTOMOBILE ENGINEERING LABORATORY



Laboratory	: Automobile Engineering Laboratory
Laboratory In-charge	: Mr.K.Palanisamy
Technical supporting staff	: Mr.P.Vasudevan
Area of the laboratory	: 9.1*12.5 Sq.M

## Major Equipments:

- Wheel balancer machine
- Tyre remover machine
- Tyre valcancing machine
- Multi cylinder IC engine
- Single cylinder IC engine
- Gear box assembly
- Clutch box assembly
- Front & Rear axle Assembly
- Battery testing
- Spark plug tester and cleaner
- Valve head assembly
- Fuel injection system
- Ashok Leyland chassis
- Two stage Reciprocating air compressor.
- Troubleshooting of spark ignition system

**Major Experiments:**

- Dismantling and assembling of front axle and rear axle
- Dismantling and assembling of differential unit
- Dismantling and assembling of single plate clutch
- Dismantling and assembling of single cylinder IC engine
- Testing of the battery
- Testing of the wheel balancing
- Testing of the valve clearance adjustment in engine
- Demonstration of gear box
- Demonstration of fuel supply system in IC engine
- demonstration of types of clutches
- Demonstration of multi cylinder engines
- Trouble shooting and servicing of ignition system
- Demonstration of automobile chassis