

**COURSE TITLE** : **VEHICLE TESTING LAB**  
**COURSE CODE** : **430**  
**COURSE CATEGORY** : **A**  
**PERIODS/WEEK** : **6**  
**PERIODS/SEMESTER** : **108**  
**CREDITS** : **3**

**DETAILS OF WORKS**

- 1 Study the different units of vacuum servo and air brake units,  
Dismantling and assembling of air brake units (brake Valve, unloader valve , brake chamber)
- 2 Wheel balancing and wheel alignment testing . Automatic Tyre changer.
- 3 Head light beam alignment.
- 4 Fuel injection pump calibration and phasing
- 5 M. P F I sensor identification and testing
- 6 Testing of car A.C.
- 7 Dismantling and assembling of two wheeler transmission
- 8 Smoke testing of Diesel and Petrol engines
- 9 Ignition system testing.
- 10 Student must be able to drive and test the vehicle