

**COURSE TITLE** : **AUTO ENGINEERING LAB**  
**SUBJECT CODE** : **425**  
**COURSE CATEGORY** : **A**  
**PERIODS/WEEK** : **4**  
**PERIODS/SEMESTER** : **72**  
**CREDITS** : **2**

**DETAILS OF LABORATORY WORK**

1. Study the working of viscometer
2. Determine the viscosity and viscosity index of a given lubricating oil
3. Study the working of flash point apparatus
4. Determine the flash point of a given fuel
5. Study the working of different calorimeter meters
6. Determine the calorific value of a solid, liquid and gaseous fuels
7. Determine the fuel consumption, of a petrol engine at various levels
8. Determine the fuel consumption of a diesel engine at various levels
9. Determine the heat balance account of an I.C. engine
10. Conduct Morse test
11. Tests on air compressor – efficiency, performance characteristic curves