

## DEPARTMENT OF AUTOMOBILE ENGINEERING

### LIST OF LABORATORIES

#### 1.AUTOMOBILE WORKSHOP



#### **-: Major Equipment List:-**

- 1.MULTICYLINDER FOUR-STROKE CI ENGINE
- 2.MULTICYLINDER FOUR-STROKE SI ENGINE
- 3.MPFI FUEL INJECTOR TESTING AND CLEANING MACHINE
- 4.MECHANICAL FUEL INJECTOR TESTER 10000
- 5.SINGLE PLATE DRY/ DIAPHRAGM COIL TYPE CLUTCH
- 6.DIFFERENTIAL AND FINAL DRIVE ASSEMBLY
- 7.STEERING SYSTEM

## 2. AUTOMOBILE SYSTEMS



### **-: Major Equipment List:-**

1. FRONT AXLE OF LMV AND HMV -
2. STEERING ASSEMBLY
3. HYDRAULIC POWER STEERING
4. AIR SUSPENSION SYSTEM
5. HVAC SYSTEM

### 3. AUTOMOBILE TRANSMISSION SYSTEM



#### **-: Major Equipment List:-**

1. CUT SECTION OF TRANSMISSION TRAIN
2. CUT SECTION MODEL OF TRANSFER CASE
3. SYNCROMESH GEAR BOXES
4. TWO WHEELER CHASSIS
5. CUT SECTION OF TWO WHEELER ENGINE
6. DIFFERENTIAL ASSEMBLY

#### 4.AUTOMOTIVE ELECTRICAL AND ELECTRONICS



##### -: Major Equipment List:-

1. MOCK LAYOUT OF TWO WHEELER WIRING HARNESS –  
BS VI AND BS IV
- 2.BOSCH AUTO ELECTRICAL TEST BENCH
3. BOSCH KTS 180 ENGINE SCANNER
3. BOSCH MULTIFUNCTIONAL TEST UNIT
4. BOSCH BATTERY LOAD TESTER
5. BATTERY CHARGER
6. MULTIMETER

## 5.AUTOMOBILE ENGINE SYSTEM



### **-: Major Equipment List:-**

- 1.M.P.F.I. ENGINE
- 2.C.R.D.I. ENGINE
- 3.MULTICYLINDER PETROL ENGINE
- 4.MULTICYLINDER DIESEL ENGINE
- 5.ENGINE TEST RIGS.
- 6.LAYOUT OF IGNITION SYSTEM

## 6. M-SHIKSHA



### **-: Major Equipment List:-**

- 1.DIESEL ENGINE (M-HAWK)
- 2.CRDI ENGINE
- 3.DIFFERENTIAL
- 4.GEAR BOX
5. MULTI CYLINDER DIESEL ENGINE - MAHINDRA- NAVISTAR