

# **NITEC IN AUTOMOTIVE TECHNOLOGY**

## **Electives (Course Specific)**

### **Basic Electro-Pneumatics and Hydraulics**

On completion of the module, students should be able to assemble, perform fault diagnosis and rectification of basic electro-pneumatics and electro-hydraulic circuits used on heavy vehicles.

### **Workshop Supervision and Customer Reception**

On completion of the module, students should be able to supervise servicing jobs and communicate to customers using good customer service skills.

### **Vehicle and Motorcycle Inspection**

On completion of the module, students should be able to perform roadworthiness inspection and tests on vehicles and motorcycles.

### **Basic Motorcycle Service and Maintenance**

On completion of the module, students should be able to perform basic service and replacement of components in the lubrication, brake and ignition system of a motorcycle.

## **Electives (Inter-disciplinary)**

### **Project Management**

On completion of the module, students should be able to use a software application for planning and managing projects.

### **High Voltage Safety with Hybrid & Electric Vehicles**

On completion of the module, students should be able to illustrate the different battery configurations and performance requirements of high voltage vehicles. They will acquire safe working procedures and troubleshooting skills using appropriate diagnostic equipment and tools.