

DIPLOMA IN ENGINEERING TECHNOLOGY AUTOTRONICS & HYBRID SYSTEM

JPT/BPP(K)1000-600/B293 JId3(9)(N/523/4/0223)(MQA/PA 4936) 12/2019

PROGRAMME BRIEF

The Autotronics is referred to as modern automotive technology and also commonly known as Automotive Mechatronics. Autotronics is the combination of automobile and electronics while hybrid refers to technology that uses two or more distinct power sources to move the vehicle. It deals with computer controlled motor vehicle systems such as Engine Control Unit (ECU-airbag, engine, ABS), engine management, electronic transmission, GPS-based navigation system, stability management system, instrumentation, infotainment, etc.

The programme provides an in-depth understanding of electronic control systems and vehicle sub-systems operation of various computer controlled motor vehicle systems in networked system (CAN Bus and LIN Bus system). The student will also acquire knowledge and skills on automotive electronic problem-solving techniques using state-of-the-art testing and diagnostic equipment to maintain, troubleshoot and repair electrical and electronics system used in various automotive vehicles. The graduates from this programme can be employed in the automotive industry and specialized service centers.

CORE STUDY AREAS

- Automotive Electrical and Electronics Systems
- Digital communication in automotive
- Hybrid & Electronic Vehicles
- Engine Management and diagnostic systems

JOB OPPORTUNITIES

- Autotronics Specialist
- Specialist/Advisor
- Autotronics Assistant Engineer

