

DIPLOMA IN ENGINEERING TECHNOLOGY MECHATRONICS

JPT/BPP(K) 1000-600/B293JLD3(27)(R/523/4/0245)(A 5001) 07/2020

PROGRAMME BRIEF

The Mechatronics programme is an inter-disciplinary field involving control systems, electronic systems, computers, robotics, and mechanical systems. The skills are highly needed for the Mechatronics technologist in the automated manufacturing processes to control product quality while applying a combination of technologies needed to ensure machine effectiveness, reliability and user friendliness.

The integration of mechanical and electronic components, or Mechatronics that blends knowledge in electronics, mechanics, and computer programming to provide both the theory and practical skills to inspect, diagnose, repair, service, install, design and maintain automated systems.

In this programme, the students will be able to attain the technical know-how in installing, repairing and maintaining various types of automation equipment and know-why in designing efficient, reliable and versatile mechatronics systems such as automated assembly lines, industrial robots, transportation, building automation & control systems, packaging machines, medical equipment, etc.

CORE STUDY AREAS

- Programmable Logic Controller & Human Machine Interface
- Computer Integrated Manufacturing
- Industrial Robotics
- Machine Design

JOB OPPORTUNITIES

- Assistant Mechatronics Engineer
- Automation Technical Specialist
- Automation System Designer
- Machine Designer

