

# DIPLOMA IN ENGINEERING TECHNOLOGY (MOULD TECHNOLOGY)

JPT/BPP(K) 1000-600/B293JLD3(25)(R/521/4/0108)(A 5005) 10/2020

## PROGRAMME BRIEF

The programme focuses on the aspects of the design and development of plastic injection mould in which the students will learn to utilize injection moulding equipment to manufacture high quality plastic products. In the design aspect, the students will use their creativity to develop mould designs for production environments which require them to be detail oriented and have an interest in machines and mechanical processes. Computer-Aided Design (CAD) software and technologies are used to create plastic mould designs used in the manufacturing.

As for manufacturing of the tooling for production, the students will learn moulding machine operation, tool change skill, injection moulding process development, and auxiliary equipment operation. This programme will provide the students the opportunity to use modern manufacturing techniques including Computer Numerical Control (CNC) Programming and Computer Assisted Manufacturing (CAM) software. This will enhance the student's ability to produce accurate work on CNC equipment found in modern metal and plastics industries.

Graduates from this programme are prepared to immediately enter the industry as designers working on new mould tooling projects and are also able to plan, monitor and control the production activities with the relevant planning tools.

## CORE STUDY AREAS

- Mould Theory & Design
- Machine Tools Processing Machineries
- CAD CAM for Manufacturing
- CNC Milling & Turning Technology

## JOB OPPORTUNITIES

- Mould/Product Designer
- Mould Maker
- Production Planner
- CNC Programmer

“ Mould Technology transforms ideas and imaginations into solid products that ease human life. ”

