

DIPLOMA IN PRODUCTION TECHNOLOGY CNC PRECISION TECHNOLOGY

JPT/BPP(K) 1000-600/B293 Jld.5(1)(R2/521/4/0232)(A 7164) 8/2022

PROGRAMME BRIEF

The students of the CNC (Computer Numerical Control) Precision Technology (CPT) programme are prepared on how to programme CNC machines for accuracy and precision. The computer software programmes will be used to design parts and create programmes used on CNC machines performing production runs and job set-ups in a manufacturing environment .

The students will be able to demonstrate an understanding of fundamental manufacturing methods, industrial processes and safe use of equipment as well as determine common programming codes and program format. Students gain real-world experience using actual full-size CNC machines to perform real production runs and job set-ups in the technologically-advanced era.

Graduates are prepared for employment in both large manufacturing corporations and small precision machining companies such as automotive, aviation, military defense, aerospace and other types of advanced manufacturing facilities. Graduates can continue their education in industrial technology, engineering or business programs leading to jobs in management.

CORE STUDY AREAS

- Engineering Drawing
- CAD CAM 2 & 3 Axis
- CNC Milling & Turning Technology
- EDM Technology

JOB OPPORTUNITIES

- CNC Machinist
- CAM Programmer
- Production Executive
- Maintenance and Service Technician

*“ Technology must be like oxygen : Ubiquitous,
necessary and invisible. ”*

Chris Lohmann
Principal, Science Leadership Academy

