



DIPLOMA IN ENGINEERING TECHNOLOGY SHEET METAL FABRICATION & DESIGN

JPT/BPP(K) 1000-600/B216(35)(N/521/4/0050)(MQA/FA2041) 02/2018

PROGRAMME BRIEF

Sheet Metal fabricators design and create structural metal parts for a variety of industries, including auto, medical, food, shipbuilding and construction. In this programme, students will develop core competencies in fabrication method and the design & development of the sheet metal product to develop a complete set of metal-working skills.

The student will be able to analyze, design and produce blueprint of a sheet metal product with design software and prototype by using the appropriate manufacturing process. Training is accomplished with state-of-the-art equipment, including Computer Numerical Control (CNC) press brake forming, CNC precision punching, CNC precision plasma cutting, etc. for which students will be taught on how to generate program via CAM software and operate manual and CNC sheet metal processing machineries.

The student will be given the opportunity to fabricate projects from the ground up, applying theory and practice together with communications skills, lean manufacturing practices and quality applications used in today's advanced manufacturing companies.

CORE STUDY AREAS

- Sheet metal product Design and analysis
- Sheet metal Processing machineries and CAD CAM for manufacturing
- Production management

JOB OPPORTUNITIES

- Tooling Designer
- Sheet Metal Product Designer
- Production Supervisor