MANUFACTURING SYSTEM

COURSE BRIEF

This 3-year diploma programme covers a broad range of manufacturing systems through a fully automated advanced manufacturing; material transfer through conveyors and robots; manufacturing processes without manual alignment; fully integrated gantry system for automatic loading and unloading; flexibility of jigs and fixture selections; automatic storage and virtual control machines. The specialization of this programme is the intertwining of practical automations, electronics and manufacturing processes with Flexible Manufacturing System (FMS) and Computer Integrated Manufacturing (CIM).

At the end of the programme, the students will be able to create and operate a manufacturing system which includes equipment selection, physically arranging the equipment, work design (manual and automatic), standardization, design of material and information flow, etc.

SCOPE OF WORK

Prospective graduates will be able to perform task pertaining to handling of various machine tools, methods and processes for manufacturing design process; and the operation of specialized machines, jigs and fixtures.

JOB OPPORTUNITIES

Manufacturing System Technical Assistant, Manufacturing System Assistant Engineer, Technical Designer, Machine Maintenance, Technical Supervisor, Project Designer, Production Assistant Engineer/Technician, Manufacturing Systems Assistant Engineer/Technician, Quality Control Executive, Maintenance Assistant Engineer/Technician, Quality Assurance Executive, R&D Personnel.

YEAR 1

Semester 1

Semester 2

YEAR 2

Semester 3

Semester 4

YEAR 3

Semester 5
Engineering Analysis | Robust Industrial Design | Entrepreneurship | *Bahasa Kebangsaan A | Production Planning Control | MSD Final Project

Semester 6
Industrial Training

*optional