



SYSTEM  
INFORMATION

STRUCTURE  
ALGORITHMS

NETWORKING

DIGITAL

COMPUTER WORKSHOP

SYSTEM ANALYSIS

LOGIC DESIGN

WEB TECHNOLOGY

WIRELESS

PROGRAMMING

PROJECT

INTERNSHIP

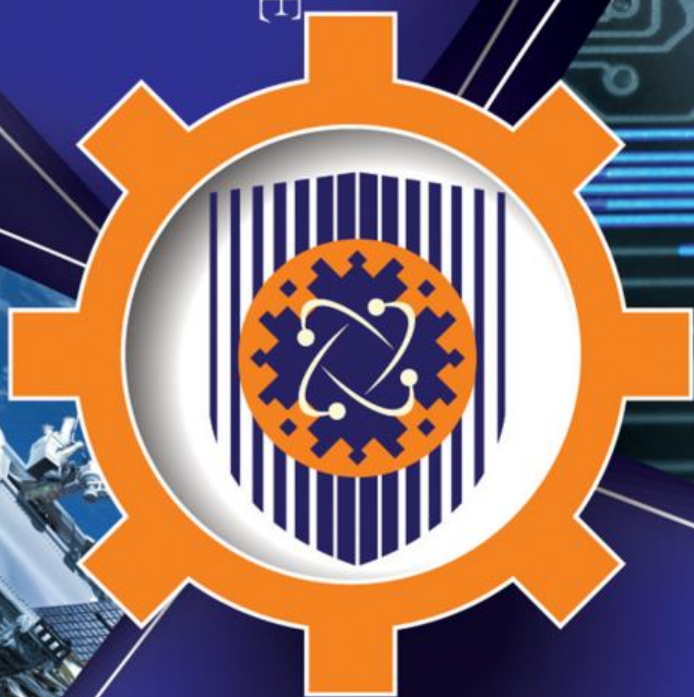
DATA

E-COMMERCE

TELECOMMUNICATION

BUSINESS INTELLIGENCE

MULTIMEDIA



# DIPLOMA IN INFORMATION TECHNOLOGY

KPT REF. NUMBER: (N/481/4/0196) (05/17)

MQA REF. NUMBER: MQA/FA1769

School of Science & Engineering



**MALAYSIA  
UNIVERSITY**

*of SCIENCE and TECHNOLOGY*  
DU008(B)



Asia Logistics and Supply Chain Council  
PPM-009-10-04102016

# UNIVERSITY OF THE FUTURE

# DIPLOMA IN INFORMATION TECHNOLOGY

The Diploma in Information Technology programme is designed as a bridging programme for students to take up a degree in Information Technology, while at the same time preparing them for the competitive job market of the 21st century. The programme is broad-based and provides students with basic knowledge and skills in Information Technology.

## Programme Duration

2.5 years (5 semesters)

## Programme Structure



### Year 1

- Elementary English / Pre-Intermediate English
- Principles of Programming
- Information Systems
- Computer Application
- Pre-intermediate English
- Intermediate English
- Introduction to Internet
- Discrete Mathematics
- Introduction to Database Systems
- Data Communication & Networking
- Data structure & Algorithm
- Computer Architecture



### Year 2

- System Analysis & Design
- Intermediate Programming
- Operating System
- Web Technologies
- Telecommunication & Wireless Communication
- Calculus and Algebra
- Information Security
- Final Project
- IT Project Management
- Internship



### Elective

- Introduction to Multimedia
- E-Commerce
- Data mining
- Ethics in Information Technology
- Introduction to Software Engineering



## Careers, Industry & Pathways

### Career Opportunities

Programmer, System Analyst, Software Support, Software Tester, Trainer.

### Internship

Students undertake a 3–6 months internship with an IT company in their final semester.

### Academic Pathways

Graduates have the opportunity to pursue a Bachelor in Information Technology or Telecommunication at MUST or a similar program at another local or foreign university.

### Affiliated Professional Training Programmes

Students can pursue Cisco certification.

## Entry Requirements

### A. Local Students

Sijil Pelajaran Malaysia (SPM) or its equivalent with minimum 3 credits (including Mathematics).

### B. International Students

GCE O level or equivalent.





GPS: 3.154176, 101.596092

Search Maps : Malaysia University of Science and Technology (MUST)



In 1995, the then Prime Minister, Tun Dr. Mahathir Mohammad and a delegation from Malaysia made a working visit to Massachusetts Institute of Technology (MIT) and endorsed the establishment of university modelled after MIT. An agreement was signed in January 1997 to establish the Malaysia University of Science and Technology (MUST).

In its formative years, MUST was fully assisted and supported by MIT, a world-renowned university noted for its education and research in advanced science and technology.

MUST emulated MIT's method of teaching and learning which encourages creativity, analytical thinking, problem-solving, innovation and team-building. These are qualities that have been proven to be successful in producing entrepreneurial leadership in science, technology, business and management.

MUST also nurtures a research-driven culture in all fields of expertise to ensure depth of understanding and confidence in facing practical problem. The MIT model has been the impetus of the MUST culture that is vibrant, innovative and purposive to our local environment.



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