

COURSE INFORMATION

Diploma In Information Technology
(Digital Technology) – DDT



Diploma In Information Technology (Digital Technology) – DDT

This programme provides education and training in Computing field with a specific emphasis on Information Technology area. The courses provide opportunities for students to get into a broad range of careers in a variety of ICT sectors. This programme also provides the students with transferable skills and multiskilling which enable them to adapt to new technologies. In addition to the technical courses, students are also taught English for Digital Technology, Penghayatan Etika dan Peradaban, Pengajian Islam or Pendidikan Moral and Co-Curriculum, to enhance their competencies in soft skills. As the programme emphasizes self initiated learning and hands-on competencies, graduates of this programme should be ready to take the challenges in the world of computing technologies.



IT Programme @ Polytechnic

Malaysian **Citizen**

#1

Has **SPM** or equivalent

#2

PASS **Sejarah** (for SPM
2013 and above)

#3

PASS **Bahasa Inggeris**

#4

SPM
CANDIDATES
(CONVENTIONAL
POLYTECHNIC)

#5

PASS **Bahasa Melayu**

#6

THREE (3) honors:

- **Matematik**
- **TWO (2)** other subjects not yet considered

#7

Candidates are not **handicapped** in doing practical / lab activity

DIPLOMA IN INFORMATION

DDT

TECHNOLOGY (DIGITAL TECHNOLOGY)



INTRODUCTION

- Department of Polytechnic & College Community Education (DPCCE) has worked collaboratively with the nation's key industry players in developing and reviewing the curriculum of Information and Communication Technology (ICT) programme.
- This collaboration aims to equip students with timely knowledge and relevant skills to meet the global challenges and the requirements of the ICT industries.
- DDT curriculum integrates with the curriculum of professional certification and industry-led-industry such as CCNA, CompTIA A+ MCSA and ENSA, so as to give the opportunities for the students and will give the students an added value and ensure that the knowledge and skills acquired through this programme are relevant with the needs of the ICT industries specifically.

DIPLOMA IN INFORMATION

DDT

TECHNOLOGY (DIGITAL TECHNOLOGY)



VISION

To be the Leading-Edge TVET Institution.

MISSION

- To provide wide access to quality and recognized TVET programs
- To empower communities through lifelong learning
- To develop holistic, entrepreneurial and balanced graduates
- To capitalise on smart partnership with stakeholders



JOB PROSPECT

- Computer Application Programmer
- Internet Programmer
- Web Programmer
- Database Programmer
- System Analysts Assistant
- Software Developer
- Database Administrator
- Software Tester
- System Support Personnel
- Systems Programmer
- Network Support Personnel
- Network Administrator
- IT Supporting Engineer
- Assistant Network Engineer
- Technical Helpdesk / Support

PROGRAMME AIMS (PAI)

Every individual has potential to foster adaptable and responsible Information and Communication Technology (ICT) Assistant with new technological advancement in supporting the national digital initiative transformation agenda

EDUCATIONAL GOAL

To produce holistic and competent TVET graduates capable of contributing to the national development

Programme Educational Objectives (PEO)

The Diploma in Information Technology (Digital Technology) programme shall produce semi professionals who are:

PEO1

Apply basic knowledge, understanding and operational principles of Information and Communication Technology (ICT) in assisting to provide solution in adapting to new technological advancement

Knowledge & understanding

PEO2

Apply a specific level of practical skills, essential tools, methods and procedures to perform required routine or non-routine tasks

Practical skills

PEO3

Alternately adopt the roles of a leader and a team member, and communicate effectively in assisting and providing solution for Information and Communication Technology (ICT)

Teamwork & Leadership

PEO4

Use variety of digital applications to seek, process and interpret routine and complex data

Digital application

PEO5

Enterprisingly acquire new knowledge and skills for career advancement and assist to manage resources and information ethically

Life long learning

DIPLOMA IN INFORMATION

DDT

TECHNOLOGY (DIGITAL TECHNOLOGY)

PROGRAMME LEARNING OUTCOMES (PLO)

PLO 1

Practice Information and Communication Technology (ICT) skill in performing diagnostic and documenting processes in ICT related fields

PLO 2

Analyse issues and provide solutions in Information and Communication Technology (ICT) by implementing appropriate scientific approaches and reasoning

PLO 3

Display Information and Communication Technology (ICT) skill in performing diagnostic and documenting processes in ICT related fields

PLO 4

Demonstrate effective communication both orally and in writing to others including peers, experts and non-experts

PLO 5

Demonstrate social skills and responsibilities by taking alternate role as a leader or member of a diverse team

PLO 6

Demonstrate ability to use Information and Communication Technology (ICT) in quantitative skills to support work and studies

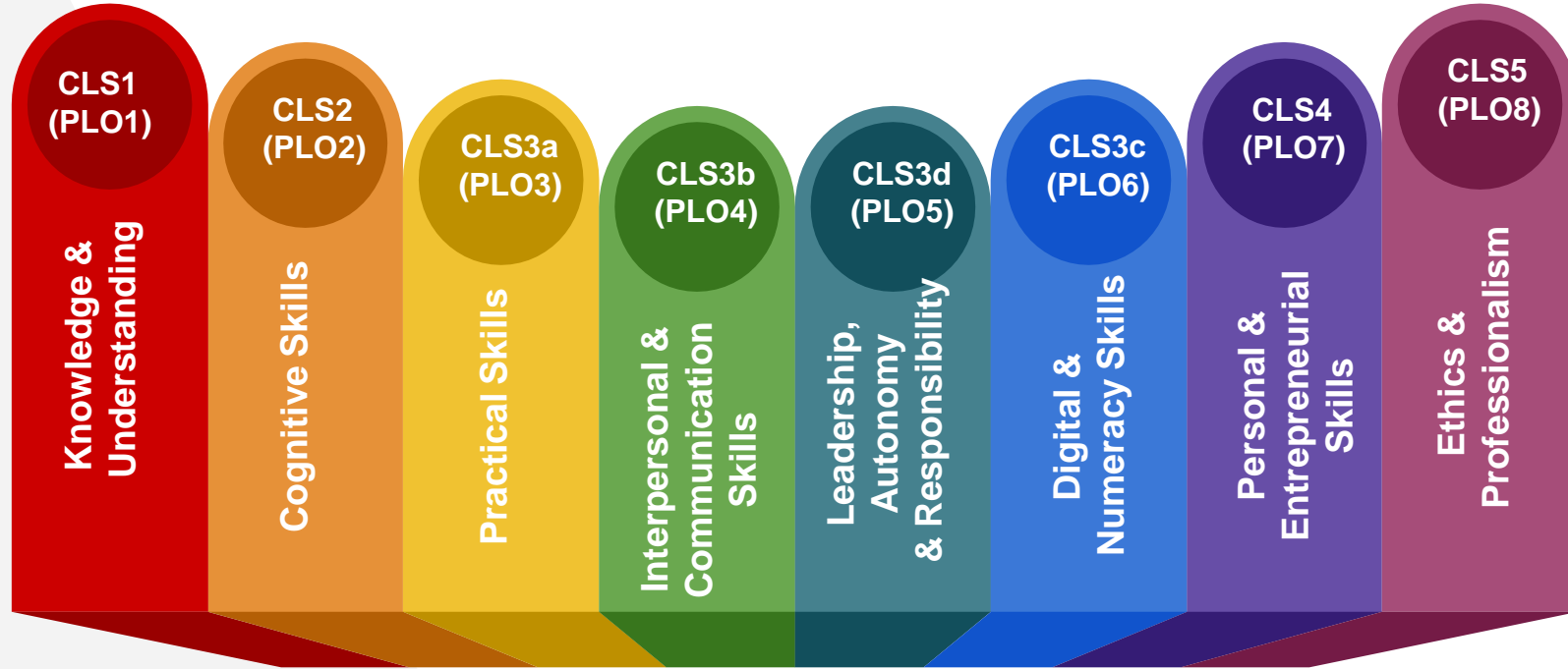
PLO 7

Demonstrate entrepreneurial and good managerial skills in working environment

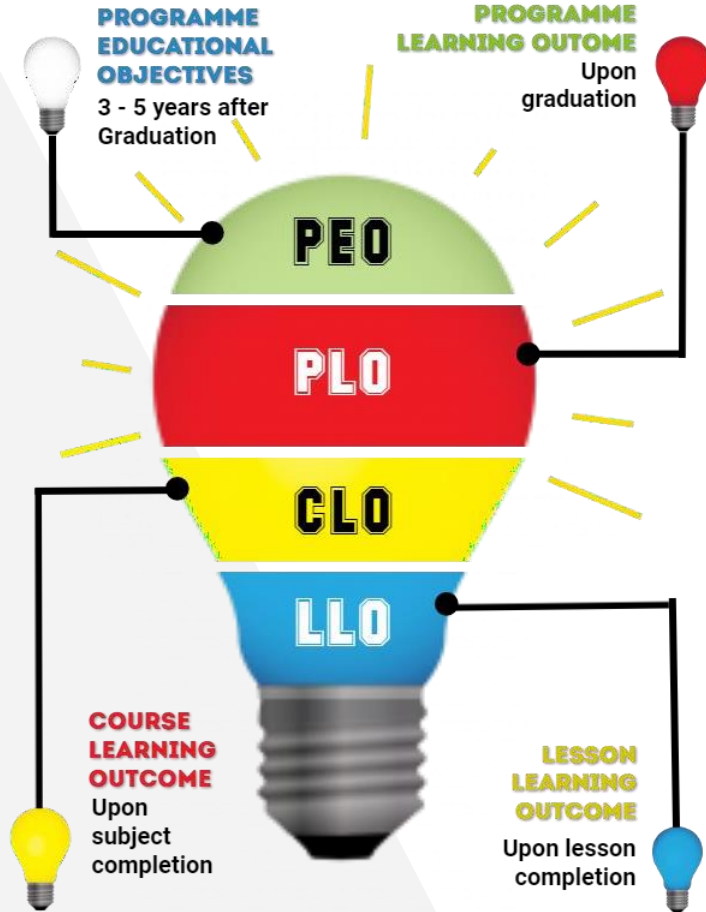
PLO 8

Demonstrate positive values, ethics and accountability in engaging with society

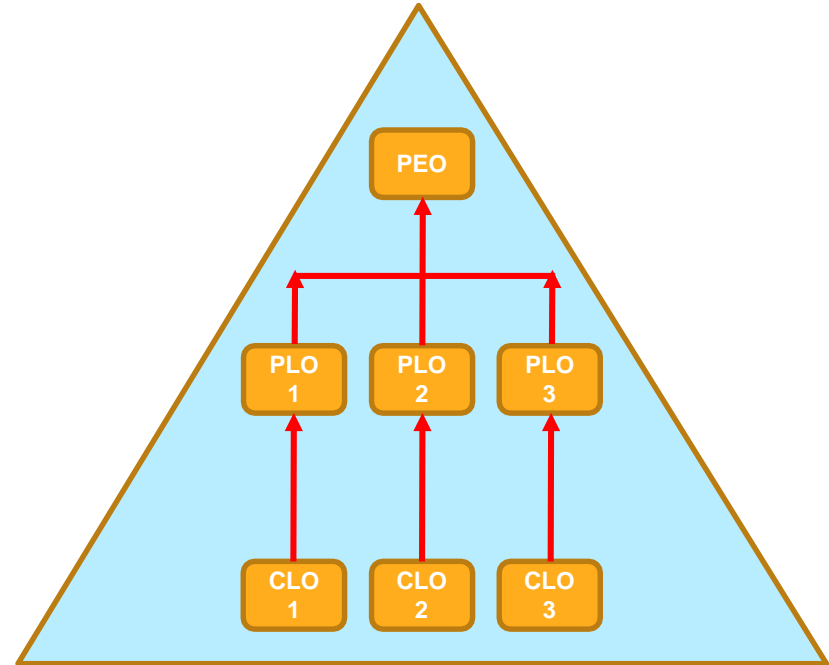
PLO (Domain Clusters)



LLO, CLO, PLO & PEO



Mapping of CLO, PLO and PEO



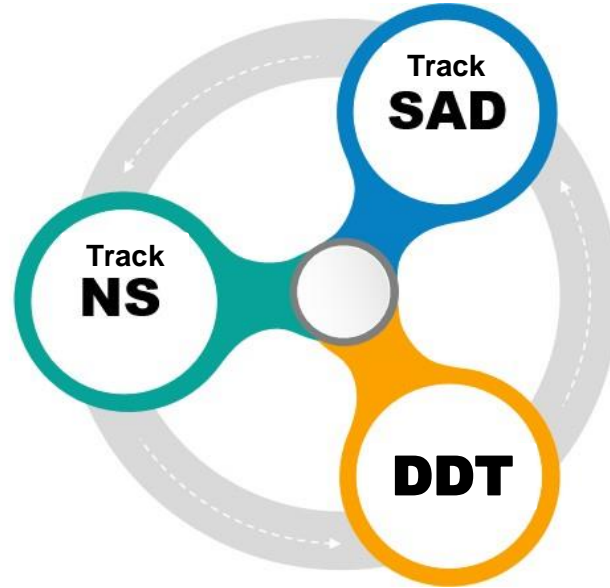


Programme Information

Diploma In Information Technology (Digital Technology) - DDT

3 years
(6 semesters)

92 Credits

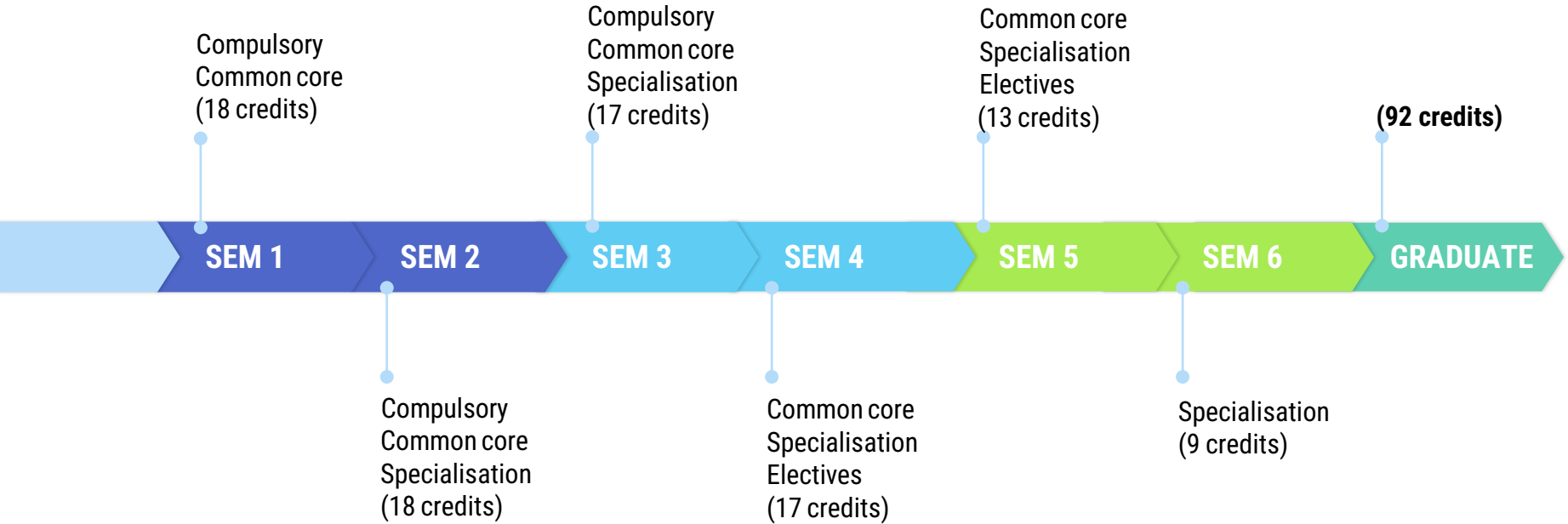


- C**ompulsory courses
- C**ommon core courses
- S**pecialization courses
- E**lective courses
- I**ndustrial Training

Track → Specialization & Electives



DDT Curriculum Structure



- ✓ Compulsory (9 credits – 10%)
- ✓ Common core (38 credits – 41%)
- ✓ Specialisation (28 credits – 30%)
- ✓ Electives (8 credits – 9%)
- ✓ Industrial Training (9 credits – 10%)