Module Synopsis

Diploma (Conversion) in Computer Networking & Cloud Computing

PDC 1:	Post-Diploma Certificate in System Administration & Computer Communications	(120 hours)

1.	ET1519:	Linux Essentials	(60 hours)

This module introduces the student to the Linux Operating Systems. Students learn to be effective users of a Linux system, focusing on basic Linux skills, such as using the command line, editing text files, organising and securing files, managing users and groups, configuring the network.

2.	ET1526:	Computer Communications	(60 hours)

This module provides the students with the basic concepts in data communication in computer network. It provides the necessary understanding of essential equipment and protocols used in the implementation of computer networking. In addition, configuration of network equipment and network planning are also included with extensive practical sessions.

PDC 2:	Post-Diploma Certificate in Computer Networking & Cloud Computing	(180 hours)

1.	ET1527:	Computer Networking	(60 hours)

This module provides an understanding of network fundamental and computer network routing principles. Students will learn to configure routers and enable dynamic routing protocols for LAN communications. Students will also be equipped with network troubleshooting skills and able to discuss LAN design issues involving multiple routers at the completion of the module.

2.	ET1528:	LAN Switching & Wide Area Network	(60 hours)

This module provides theoretical and practical introduction to internetworking technologies. Topics covered in the module are switching concepts, VLANs, interVLAN routing, redundant networks, available and reliable networks, L2 security, network design and WAN concepts. Students will be able to design, install and trouble-shoot internetworks at the completion of the module.

3.	ET1520:	Cloud Foundations	(60 hours)

This module provides a detailed overview of cloud concepts, Cloud Computing Service Provider's core services, security, architecture, pricing, and support. Equip the trainees with the necessary technical skills in the area of Cloud Computing, to build Cloud based project that aligned to industry requirements, and preparation for industry certification such as AWS Certified Cloud Practitioner.