1NITEC IN INFOCOMM TECHNOLOGY

MODULE OBJECTIVES

Core Modules

IT Essentials and PC Support
On completion of the module, students should be able to set up, install and maintain computer hardware and operating system. They will learn to troubleshoot hardware and software problems.

Networking Essentials
On completion of the module, students should be able to set up, configure, maintain and troubleshoot network system, and build peer-to-peer and wireless network for small office environment. They should be able to provide network support and configure network devices such as switches, routers and wireless access points.

Internetworking Technology
On completion of the module, students should be able to configure and implement routing protocols used in Local Area Network (LAN) as well as troubleshoot basic routing issues.

Server Essentials
On completion of the module, students should be able to install, configure and manage administration of server operating systems, servers and services. They should also be able to perform backup and recovery of systems files and configurations as well as monitor system performance.

Internet Applications
On completion of the module, students should be able to install, configure and maintain web servers and browsers. They will learn to create simple web pages using authoring tools. They should also be able to assist in developing and deploying web applications.

Virtualization Technology
On completion of the module, students should be able to set up a hypervisor, virtual machines (VMs) and configure clients' access to VMs and connectivity. They should also be able to perform backup and recovery of VMs, monitor resource utilization as well as troubleshoot performance and connectivity issues.

Software Applications
On completion of the module, students should be able to support application maintenance and deployment including, software installation, software development, troubleshooting and monitoring of application programs. They should also be able integrate database into the application programs.

On-the-Job Training I
On completion of the module, trainees should be able to apply and integrate Year 1 skills and knowledge acquired at ITE College, and further develop competencies at the workplace.

On-the-Job Training II
On completion of the module, trainees should be able to apply and integrate Year 2 skills and knowledge acquired at ITE College, and further develop competencies at the workplace.