WORK-STUDY DIPLOMA IN CLOUD MANAGEMENT & OPERATIONS

MODULE OBJECTIVES

Module 1: Operating System
On completion of the module, trainees should be able to manage operating system, administer operating system services, as well as provide operating system maintenance.

Module 2: Network Programmability
On completion of the module, trainees should be able to design network infrastructure, configure network and provide network administration and maintenance.

Module 3: Virtualisation Infrastructure Management
On completion of the module, trainees should be able to set up on-premise virtualisation environment, deploy virtual machine instance, as well as to perform resource management and monitoring.

Module 4: Cloud Service Operation
On completion of the module, trainees should be able to provision virtual machine, as well as set up and manage cloud services.

Module 5: Scripting
On completion of the module, trainees should be able to develop system program, as well as deploy and monitor program to automate infrastructure operation.

Module 6: Development Operations (DevOps)
On completion of the module, trainees should be able to plan, develop and deliver application, as well as manage application deployment using the DevOps approach.

Module 7: DevOps Tools & Technology
On completion of the module, trainees should be able to manage infrastructure as code, container and at-scale configuration.

Module 8: Cloud Security
On completion of the module, trainees should be able to perform threat assessment, security testing and set up security monitoring and protection.

Module 9: Company Project
On completion of the module, trainees should have applied their acquired competencies in an authentic project that would value-add to the company.

Module 10: On-the-Job Training
On completion of the module, trainees should be able to apply the skills and knowledge acquired at ITE College and workplace to take on the full job scope, including supervisory function where appropriate, at the company.