Specialist Diploma in Cloud Computing (DevOps) - Module Synopsis

PDC 1 - Post Diploma Certificate - Fundamentals of Cloud Computing

Module 1: Cloud Foundations
This foundational course 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 (ACCP).

Module 2: Linux System Administration
This module introduces the student to the Enterprise Linux Operating Systems. Students learn to be effective administrators of an Enterprise Linux System, mastering basic Linux System Administration tasks such as adding hardware, managing users, understand file systems and partitioning, logical volumes, SELinux, firewall and troubleshooting and attaching the machine to an existing network..

PDC 2 Post Diploma Certificate - Cloud Development and Deployment

Module 3: Web Development
This module covers techniques and skills required for client-side web programming and server-side programming. Students will learn to develop effective Web pages using HTML/CSS and JavaScript for client-side development. Students will also learn to use AJAX to consume and process data from Web API. Students will also learn techniques and skills required to design, test, and deploy restful web services integrated with database and AWS services using Server side frameworks. Students will walk through a sample real life project which will help them to apply the client-side and server side technology.

Module 4: Cloud Developing
Cloud Developing help trainees gain technical expertise in development aspect of a Cloud native solution using Cloud Computing technologies. The course is designed to teach aspiring DevOps associate how to optimize their use of the Cloud by understanding Cloud Service Provider's services and how they fit into cloud-