Cloud Infrastructure and Services Version 3

Module 1: Driving Digital Transformation – Cloud

- Digital Transformation
- Current business challenges
- IT challenges in supporting business challenges
- Digital business drives IT Transformation
- Digital and IT Transformation adopts Cloud

Module 2: Cloud Reference Architecture

- Essentials of Cloud characteristics
- Cloud deployment and service models
- Key benefits of Cloud computing
- Components of the Cloud reference architecture

Module 3: Applications

- Evolution of application platform
- Traditional application challenges
- Need for application transformation
- Modern application characteristics
- Application modernization approach

Module 4: Cloud Services & Orchestration

- Cloud services and its functions
- Cloud portal
- Cloud interface standards
- Cloud service lifecycle
- Service orchestration

Module 5: Modern Infrastructure

- Key IT infrastructure components
- Virtual Infrastructures – features and its benefits
- Software Defined Infrastructure – feature and its benefits
- Converged and Hyper Converged Infrastructure - features and its benefits

Module 6: Cloud Security

- Cloud security threats
- Cloud security mechanisms
- Governance, risk, and compliance

Module 7: Business Continuity

- Cloud service availability
- Fault tolerance mechanisms
- Data protection solutions – backup, replication and archive
- Data protection as a service

Module 8: Cloud Service Management

- Service portfolio management processes
- Service operation management processes

Module 9: Transforming IT operations

- Key elements of successful transformation : People, Process, and Technology