

Windows Server

☐ Sessions 1 & 2

- ☒ Overview of windows operating system
- ☒ Installation of windows operating system
- ☐ Install, upgrade, and migrate servers and workloads
- ☐ Create, manage, and maintain images for deployment

☒ Sessions 3

- ☒ Concept of Windows Server Backup (WSB)
- ☒ Implement WSB

☐ Session 4 & 5

- ☐ Implementation, planning and maintaining of active directory infrastructure
- ☐ Implementing and administering Active Directory
- ☐ User accounts and groups in an Active Directory Domain
- ☐ Implementing an Active Directory Domain Services (ADDS)
- ☐ Domain Controller (DC)
- ☐ Additional Domain Controller (ADC)
- ☐ Client (Windows 10/11)
- ☐ Member Server (MS)

☒ Session 6 & 7

- ☒ Configuring DNS
- ☒ Implement DHCP and IPAM

- ☒ Configuration of DNS server
- ☒ Install and configure DHCP
- ☒ Manage and maintain DHCP
- ☒ Implement and Maintain IP Address Management (IPAM)

☐ **Session 8**

- ☐ Local policies and Group Policies
- ☐ Implement Local policies & Group policies

☐ **Session 9**

- ☐ Implement Network Connectivity and Remote Access Solutions
- ☐ Implement network connectivity solutions
- ☐ Implement virtual private network (VPN) and Direct Access solutions

☒ **Session 10**

- ☒ Concept of IIS Web Server
- ☒ Implement of IIS Web Server

☐ **Session 11**

- ☐ Concept of Core and Distributed Network Solutions
- ☐ Implement IPv4 and IPv6 addressing
- ☐ Implement Distributed File System (DFS) and Branch Office solutions

☒ **Session 12**

- ☒ Concept of Windows Deployment Service (WDS)
- ☒ Deploying Windows 10/11 using WDS

☐ **Session 13 & 14**

- ☐ Hyper-V & Storage Solutions
- ☐ Implement Hyper-V
- ☐ Configure disks and volumes
- ☐ Implement server storage
- ☐ Implement data deduplication
- ☐ Install and configure Hyper-V
- ☐ Configure virtual machine (VM) setting
- ☐ **Session 15**
 - ☐ Concept of File Server Resource Manager (FSRM)
 - ☐ Implement File Server Resource Manager (FSRM)
- ☐ **Session 16**
 - ☐ Concept of Network Policy Server (NPS)
 - ☐ Implement Network Policy Server (NPS)
- ☐ **Session 17**
 - ☐ Concept of Network Load Balancing (NLB)
 - ☐ Troubleshooting
 - ☐ Implement of Network Load Balancing (NLB)
 - ☐ Maintenance and troubleshooting
 - ☐ Introduction to Microsoft Windows 10 & 11 security
 - ☐ Security issues at the Active Directory level
 - ☐ Evaluating and analyzing workstation security
 - ☐ Securing Windows services
- ☐ **Session 18**

- ☐ Concept of Exchange server
- ☐ Installing and implementing of Exchange Server.
- ☐ **Session 19 & 20**
 - ☐ Power Shell
 - ☐ Windows Power Shell Technology Background and Overview
 - ☐ Power shell Error Handling and Debugging
 - ☐ Windows Administration using power shell
 - ☐ Background Jobs and Remote Administration
 - ☐ Windows Power Shell Tips & Re-Using Scripts and Functions