



DIGITAL BRIDGE INSTITUTE
TECHNOLOGY | INNOVATION | EDUCATION

TECHNOLOGY APPRENTICESHIP PROGRAMME COURSE OUTLINES

INTERNET AND MICROSOFT OFFICE APPLICATIONS

- **Course Objectives**
 - The course is aimed at helping participants have a thorough understanding to PC hardware and other interconnected parts and their functionality
 - Perform common functions for file management, editing, formatting, printing and outputting documents using Microsoft word
 - Use spreadsheet application to manage data
 - Create simple dashboards and automate repetitive task in Microsoft excel
 - Understand how to manipulate data using formulas and functions
 - Create simple but effective charts, draw conclusions based on tabular data and chart
 - Create presentations in power point and covert presentations to the videos
 - Maximize communication and social interaction on the internet in a safe and ethical manner
- **Programme Structure**
 - Duration: 5days
 - Contact Hours: 40Hrs
 - Time: 9am-5pm Daily with break in-between

NETWORK AND SYSTEMS ADMINISTRATION

- **Course Objectives**
 - The course is aimed at helping participants have a thorough understanding of PC hardware and other interconnected part and their functionality
 - Participants would at the end of the programme be able to identify/localize challenges and problems of PC/Laptops and the source of such problems and use time tested problem solving and fault localization techniques.
 - Participants would at the end of the programme be able to install and configure operating systems and adopt other PC optimization measures
 - Participant will be able to design computer networks and carry out structured cabling for computer network
 - Participants will be able assign and configure static and dynamic IP address (DHCP) for computer Network
- **Programme Structure**
 - Duration: 5days



ITU Centre of Excellence



CMD Accredited Training Centre

- Contact Hours: 40Hrs
- Time: 9am-5pm Daily with breaks in-between

DEVELOPING WEB-BASED APPLICATIONS

- **Course Objectives**

- Understand the different Static and Dynamic Website
- Create Static Pages and dynamic web pages
- Style webs pages and build web layout
- Install WAMP
- How to embed PHP in a HTML page
- PHP Functions
- Create a Database using MySQL
- Create Users in a database
- Use PHP to connect to MySQL Database
- Create a content Manager system using PHP and MySQL
- Create users for the applications
- Authenticate users
- Print a Webpage
- Backup MSQL database

- **Programme Structure**

- Duration: 5days
- Contact Hours: 40Hrs
- Time: 9am-5pm Daily with breaks in-between

HCNA Carrier IP

- **Course Objectives**

- Describe the hierarchical structure of IP network and the function of each layer
- Describe Ethernet evolution and relative technology
- Outline network security and firewall concepts
- Describe TCP/IP model, the function of each layer, the function and the working principle of some common protocols
- Describe ICMP working principle
- Describe Router and Switch working principle
- Describe the basic principle and configuration of VLAN, STP, VRRP, Static Route, RIP, OSPF, PPP, Frame Relay
- Design IP addresses with IP address sub netting technology
- Apply ping, tracert in network maintenance and basic troubleshooting
- Configure IP address, VLAN, VRRP, Static Route, RIP, OSPF in VRP platform
- Locate and handle the simple fault
- Choose Huawei routers for each layer of IP network

- **Programme Structure**

- Duration: 10days

- Contact Hours: 40Hrs
- Time: 9am-5pm Daily with breaks in-between

HCS-Wireless Hardware Installation

- **Course Objectives**

- Describe the specifications of HUAWEI wireless products
- Describe the installation steps and SOP for HUAWEI wireless products
- List the key points of installation quality of HUAWEI wireless products
- List on-site EHS management requirements
- Apply the IT tools involved in HUAWEI wireless site installation
- Make all kinds of cables involved in HUAWEI wireless sites
- Describe the process for HUAWEI wireless site installation
- Implement HUAWEI wireless hardware installation

- **Programme Structure**

- Duration: 10days
- Contact Hours: 40Hrs
- Time: 9am-5pm Daily with breaks in-between