

Syllabus of Two Weeks Vocational Training Online Mode

Day	Topic	Mode
1.	Networking Concepts <ul style="list-style-type: none"> • Basic networking concepts • Network architecture & topology 	Online- Zoom
	Job Aid 1 & 2 [Managing, developing and troubleshooting Local Area Network and Identification of different types of cables router components & Interfaces] <ul style="list-style-type: none"> • Create physical local area network with the help of packet tracer • Troubleshoot the LAN and diagnose the faults • Identify the different types of cables like Console cable, CAT-5/ CAT-6, Optical fiber switches and their interfaces 	Supported by Video
2.	Networking Concepts, TCP/IP & IP addressing <ul style="list-style-type: none"> • Networking protocols • IP Addressing, Subnetting and Supernetting 	Online- Zoom
	Job Aid 3 & 4 [Managing Large network by dividing into smaller logical networks using concepts of subnetting & supernetting.] <ul style="list-style-type: none"> • Convert Binary to Decimal and vice-versa • Assigning IPv4 & IPv6 Address to computer Check IP address assigned • Determine Network Address from an IP address • Create subnets from the given network address 	Supported by Video
3.	IP NETWORKING-I <ul style="list-style-type: none"> • HTTP & FTP services 	Online- Zoom
	Job aid 5 [Configuration of HTTP services for hosting web documents] <ul style="list-style-type: none"> • Understand Internet Information Services tool and its installation • How to configure web services using IIS tool 	Supported by Video
	Job aid 6 [Configuration of FTP services for quick availability of necessary files.] <ul style="list-style-type: none"> • Understand Internet Information Services tool and its installation. • How to configure FTP services using IIS tool 	
4.	CYBER SECURITY (IPC) <ul style="list-style-type: none"> • Information & Cyber Security • Information security components • Managing information security • Technology and defense • Framework for information security 	Online- Zoom
	Job Aid 7 ANALYSING THE SECURITY OF HOSTS IN NETWORK USING TOOLS <ul style="list-style-type: none"> • Installation of security tool Professional Look at Net • Identify the parts of the main window of Professional Look at Net • Scan network with default setting of Professional Look at Net & analyse result. • Scan the ports of selected host of the network & Analyzer 	Supported by Video
	Job Aid 8 [Implementing system and data security using windows firewall]	

	<ul style="list-style-type: none"> • Enabling and Disabling Windows firewalls • Allow a program/port to communicate through Windows Firewall • Block program/port to communicate through Windows Firewall 	
5.	Programing Language <ul style="list-style-type: none"> • Basic of Programming Languages • Concept of Object Oriented Programming 	Online-Zoom
	Job Aid 9 & 10 <ul style="list-style-type: none"> • Installation JDK • Make and run Java Programs 	Supported by Video
6.	JAVA Technology <ul style="list-style-type: none"> • Concept of Java programming 	Online-Zoom
	Job Aid 11 & 12 <ul style="list-style-type: none"> • Java Programming 	Supported by Video
7.	Python Programing Language	Online-Zoom
	Job Aid 13 & 14 <ul style="list-style-type: none"> • Programming in Python 	Supported by Video
8.	Android APP Development	Online-Zoom
	Job Aid 15 & 16 <ul style="list-style-type: none"> • Simple APP Development in Android 	Supported by Video
9.	IoT and Industry 4.0	Online-Zoom
	Job Aid 17 and 18 <ul style="list-style-type: none"> • Industry Case Study 	Supported by Video
10.	Assessment and Group Discussion , Presentation <ul style="list-style-type: none"> • Assessment will be done • Group Presentation by Trainees- Online • Doubt Clearing • Certificate distribution -Online 	Online-Zoom
	Job Aid 19 and 20 <ul style="list-style-type: none"> • Presentation by Trainees 	