

**CCNA INSTRUCTOR TRAINING PROGRAMME 2022**

DAY	TIME	POLITEKNIK SYLLABUS	CCNA7
1 Monday	9.00am - 12.30pm	<b>1. Explore the Network</b> Describe LANs, WANs and The Internet Discover Network Protocols and Communication Interpret Reference Model of OSI and TCP/IP	<b>1 Networking Today</b> <b>2 Basic Switch and End Device Configuration</b> <b>3 Protocols and Models</b> <b>4 Physical Layer</b>
	12.30pm - 2.00pm	Lunch Break	
	2.00pm - 5.00pm	Lab: Initial Switch Config Lab: Basic Connectivity Implementation	
2 Tuesday	9.00am - 12.30pm	<b>2. Network Access</b> Construct Physical layer protocols and network media Explain Data link layer protocols and media access control Describe Ethernet and ARP	<b>6 Data Link Layer</b> <b>7 Ethernet Switching</b>
	12.30pm - 2.00pm	Lunch Break	
	2.00pm - 5.00pm	Lab: Basic Switch and End Devices Config Lab: Understanding OSI layer Model Lab: Wired Connectivity Lab: Understanding Physical Connection	
3 Wednesday	9.00am - 12.30pm	<b>3. Network Layer</b> Construct IP addressing and subnetting Build a basic LAN configuration Configure wireless LAN	<b>5 Number System</b> <b>8 Network Layer</b> <b>9 Address Resolution</b> <b>10 Basic Router Configuration</b> <b>11 IPv4 Addressing</b> <b>12 IPv6 Addressing</b>
	12.30pm - 2.00pm	Lunch Break	
	2.00pm - 5.00pm	Lab: Subnetting Scenario Lab: VLSM Scenario Lab: Configuring IPv4 and IPv6 Lab: Wireless Connectivity	
4 Thursday	9.00am - 12.30pm	<b>4. Transport and Application Layer</b> Explain Transport layer protocols Explain Application layer protocols Secure Remote Connection	<b>13 ICMP</b> <b>14 Transport Layer</b> <b>15 Application Layer</b> <b>16 Network Security Fundamentals</b>
	12.30pm - 2.00pm	Lunch Break	
	2.00pm - 5.00pm	Lab: Using Ping and Traceroute Lab: Tcp and Udp Communication Lab: Configure SSH Lab: Secure network Device	
5 Friday	9.00am - 11.00am	Final Exam Online	
	12.30pm - 2.30pm	Lunch Break & Solat Jumaat	
	2.30pm - 4.30pm	Skill Based Assessment	