

<b>Course Name</b>	<b>CCNA 3: Scaling Network (PCP)</b>
<b>Course Overview</b>	This course describes the architecture, components, and operations of routers and switches in larger and more complex networks. Participants will learn how to configure routers and switches for advanced functionality. Participants will also develop the knowledge and skills needed to implement a WLAN in a small-to-medium network.
<b>Course Objective</b>	<p>Upon completion of this course, students should be able to:</p> <ul style="list-style-type: none"> <li>• Understand, configure and troubleshoot enhanced switching technologies such as VLANs, Rapid Spanning Tree Protocol (RSTP), Per VLAN Spanning Tree Plus Protocol (PVST+), and EtherChannel</li> <li>• Understand, configure, and troubleshoot first hop redundancy protocols (HSRP) in a switched network</li> <li>• Understand, configure, and troubleshoot wireless routers and wireless clients</li> <li>• Configure and troubleshoot routers in a complex routed IPv4 or IPv6 network using single-area OSPF, multiarea OSPF, and Enhanced Interior Gateway Routing Protocol (EIGRP)</li> </ul>
<b>Target Audience</b>	This course is suitable for any individuals who are seeking entry-level jobs in the ICT industry or hope to fulfil prerequisites to pursue more specialized ICT skills. It provides an integrated and comprehensive coverage of networking topics, from fundamentals to advanced applications and services, while providing opportunities for hands-on practical experience and career skills development.
<b>Course Outline</b>	

		Day 1	<p><b>9 am – 12.30 noon</b></p> <p><i>10 am – 10.15 am</i></p> <ul style="list-style-type: none"> <li>- <i>Tea break</i></li> </ul> <p><i>12.30 noon – 2.00 pm</i></p> <ul style="list-style-type: none"> <li>- <i>Lunch</i></li> </ul> <p>*****</p> <p><b>2.00 pm – 5.00 pm</b></p> <p><i>4.00 pm – 4.15 pm</i></p> <ul style="list-style-type: none"> <li>- <i>Tea Break</i></li> </ul>	<p><b>1.INTRODUCTION TO SCALING NETWORKS</b></p> <ul style="list-style-type: none"> <li>- Introduction</li> <li>- Implementing a Network Design</li> <li>- Selecting Network Devices</li> </ul> <p><b>2.LAN REDUNDANCY</b></p> <ul style="list-style-type: none"> <li>- Spanning Tree Concepts</li> <li>- Varieties of Spanning Tree Protocols</li> <li>- Spanning Tree Configuration</li> <li>- First Hop Redundancy Protocols</li> </ul> <p>*****</p> <p><b>1.PRACTICAL AND CHAPTER ONLINE TEST</b></p>
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	Day 2	<p><b>9 am – 12.30 noon</b></p> <p><i>10 am – 10.15 am</i></p> <ul style="list-style-type: none"> <li>- <i>Tea break</i></li> </ul> <p><i>12.30 noon – 2.00 pm</i></p> <ul style="list-style-type: none"> <li>- <i>Lunch</i></li> </ul> <p>*****</p> <p><b>2.00 pm – 5.00 pm</b></p> <p><i>4.00 pm – 4.15 pm</i></p> <p><i>Tea Break</i></p>	<p><b>1.LINK AGGREGATION</b></p> <ul style="list-style-type: none"> <li>- Link Aggregation Concepts</li> <li>- Link Aggregation Configuration</li> </ul> <p><b>2.WIRELESS LAN</b></p> <ul style="list-style-type: none"> <li>- Wireless LAN Concepts</li> <li>- Wireless LAN Operations</li> <li>- Wireless LAN Security</li> <li>- Wireless LAN Configuration</li> </ul> <p>*****</p> <p><b>1.PRACTICAL AND CHAPTER ONLINE TEST</b></p>
	Day 3	<p><b>9 am – 12.30 noon</b></p> <p><i>10 am – 10.15 am</i></p> <ul style="list-style-type: none"> <li>- <i>Tea break</i></li> </ul> <p><i>12.30 noon – 2.00 pm</i></p> <ul style="list-style-type: none"> <li>- <i>Lunch</i></li> </ul>	<p><b>1.ADJUST AND TROUBLESHOOT SINGLE-AREA OSPF</b></p> <ul style="list-style-type: none"> <li>- Advanced Single-Area OSPF Implementations</li> <li>- Troubleshooting Single-Area OSPF Implementations</li> </ul> <p><b>2.MULTIAREA OSPF</b></p>

			<ul style="list-style-type: none"> <li>- Multiarea OSPF</li> <li>- Configuring Multiarea OSPF</li> </ul> <p>*****</p> <p><b>1.PRACTICAL AND ONLINE TEST</b></p> <p>*****</p> <p><b>2.00 pm – 5.00 pm</b></p> <p><i>4.00 pm – 4.15 pm</i></p> <ul style="list-style-type: none"> <li>- <i>Tea Break</i></li> </ul>	<ul style="list-style-type: none"> <li>- Multiarea OSPF</li> <li>- Configuring Multiarea OSPF</li> </ul> <p>*****</p> <p><b>1.PRACTICAL AND ONLINE TEST</b></p> <p>*****</p>
	Day 4	<p><b>9 am – 12.30 noon</b></p> <p><i>10 am – 10.15 am</i></p> <ul style="list-style-type: none"> <li>- <i>Tea break</i></li> </ul> <p><i>12.30 noon – 2.00 pm</i></p> <ul style="list-style-type: none"> <li>- <i>Lunch</i></li> </ul>	<p><b>1.EIGRP</b></p> <ul style="list-style-type: none"> <li>- Characteristics of EIGRP</li> <li>- Configuring EIGRP for IPv4</li> <li>- Operation of EIGRP</li> <li>- Configuring EIGRP for IPv6</li> </ul> <p><b>2.EIGRP ADVANCED CONFIGURATIONS AND TROUBLESHOOTING</b></p> <ul style="list-style-type: none"> <li>- Advanced EIGRP Configurations</li> <li>- Troubleshooting EIGRP</li> </ul>	

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	Day 5	<p><b>9 am – 12.30 noon</b></p> <p><i>10 am – 10.15 am</i></p> <p>- <i>Tea break</i></p> <p><i>12.30 noon – 2.30 pm</i></p> <p>- <i>Lunch</i></p> <p>*****</p> <p><b>2.30 pm – 5.00 pm</b></p> <p><i>4.00 pm – 4.15 pm</i></p> <p><i>Tea Break</i></p>	<p><b>1.SKILL-BASED EXAM</b></p> <p>*****</p> <p><b>1.FINAL ONLINE TEST</b></p>
<i>*Note: Topics proposed are subjects to changes</i>			
<b>Duration</b>	5 Days		