

## IP NETWORKING

<p><b>Day 1</b></p>	<p><b>Managing Large network by dividing into smaller logical networks using concepts of subnetting &amp; supernetting:</b></p> <ul style="list-style-type: none"><li>• Convert Binary to Decimal and vice-versa</li><li>• Assigning IPv4 &amp; IPv6 Address to computer Check IP address assigned</li><li>• Determine Network Address from an IP address</li><li>• Create subnets from the given network address</li></ul>
<p><b>Day 2</b></p>	<p><b>Managing, developing and troubleshooting Local Area Network and Identification of different types of cables router components &amp; Interfaces:</b></p> <ul style="list-style-type: none"><li>• Create physical local area network</li><li>• Troubleshoot the LAN and diagnose the faults</li><li>• Identify the different types of cables like Console cable, CAT-5/ CAT-6, Optical fiber Routers, Router components and Router Interfaces</li><li>• Routers, Router components and Router Interfaces</li></ul>
<p><b>Day 3</b></p>	<p><b>Preliminary configuration of router for internetworking of different networks:</b></p> <ul style="list-style-type: none"><li>• Understanding the working of a router</li><li>• Different types of show commands &amp; their purpose</li><li>• Assignment of IP address and enabling layer 3 connectivity</li></ul>
<p><b>Day 4</b></p>	<p><b>Configuration of Router for providing WAN service to Local Area Network by Static/Dynamic Routing in an IP network:</b></p> <ul style="list-style-type: none"><li>• Understand the configuration of static/dynamic routing in cisco routers.</li><li>• Analysis of output of ip route commands &amp; their purpose</li></ul>