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| <b>Course Title:</b>        | <b>CCNA 3: LAN Switching and Wireless</b>  |
| <b>Duration:</b>            | Ten (10) Days  |
| <b>Class Schedule:</b>      | 9:00am to 5:00pm   |
| <b>Target Participants:</b> | Government and Private I.T. Personnel, Members of the Academe and College Graduates of Computer Science and I.T. related courses.  |
| <b>Total Hours:</b>         | 70 Hours   |
| <b>Course Description:</b>  | This course helps students develop an in-depth understanding of how switches operate and are implemented in the LAN environment for small and large networks. Beginning with a foundational overview of Ethernet, this course provides detailed explanations of LAN switch operation, VLAN implementation, Rapid Spanning Tree Protocol (RSTP), VLAN Trunking Protocol (VTP), Inter-VLAN routing, and wireless network operations. Students analyze, configure, verify, and troubleshoot VLANs, RSTP, VTP, and wireless networks. Campus network design and Layer 3 switching concepts are introduced. |

**Course Contents:**

- Ethernet Revisited
- Switching Concepts
- Cisco IOS Software and Cisco Discovery Protocol
- Inside the Switch
- Campus Network Design
- Basic Switch Configuration
- VLANs and IP Telephony Basics
- Rapid Spanning Tree Protocol
- Trunking and VLAN Trunking Protocol
- Inter-VLAN Routing
- Wireless Networks and Mobility
- Campus LANs

