

**Krantiguru Shyamji Krishna Verma Kachchh University, Bhuj**  
**Master of Science (Computer Applications & Information Technology)**  
**Semester: IX**

<b>Paper Code: CCCS939</b>	<b>Total Credit : 4</b>
<b>Title of Paper:</b> Practical and Viva-Voce Based on CCCS937 and Elective Courses	<b>Total Marks : 70</b>
	<b>Time : 3 Hrs</b>
<b>Description</b>	
<ol style="list-style-type: none"> <li>1. Dijkstra's shortest path algorithm</li> <li>2. Prim's algorithm</li> <li>3. Design Subnet &amp; Supernet &amp; implement in CPT</li> <li>4. Packet Analysis Using Wireshark on LAN Network</li> <li>5. Configure Firewall &amp; Manage In/Out Rules</li> <li>6. Installation of Ubuntu &amp; Windows with harddisk format &amp; data recovery</li> <li>7. Software Debugging</li> <li>8. Configure Virtual Machine With Realtime Network</li> </ol> <p><i>Software List and Links:</i></p> <ul style="list-style-type: none"> <li>• Open Visual Trace Route 1.6.2 - <a href="https://sourceforge.net/projects/openvisualtrace/">https://sourceforge.net/projects/openvisualtrace/</a></li> <li>• Cisco Packet Tracer Student 6.2 - <a href="http://cisco.edu.mn/Download/">http://cisco.edu.mn/Download/</a></li> <li>• Advanced Task Manager - <a href="http://filehippo.com/download_process_explorer/">http://filehippo.com/download_process_explorer/</a></li> <li>• Virtual Box By Oracle- <a href="http://filehippo.com/download_virtualbox/">http://filehippo.com/download_virtualbox/</a></li> <li>• Wireshark - <a href="http://filehippo.com/download_wireshark_32/">http://filehippo.com/download_wireshark_32/</a></li> <li>• Whois - <a href="https://technet.microsoft.com/en-us/sysinternals/whois.aspx">https://technet.microsoft.com/en-us/sysinternals/whois.aspx</a></li> <li>• Solaris Advanced Subnet Calculator - <a href="http://downloads.solarwinds.com/solarwinds/Release/FreeTool/SolarWinds-Subnet-Calculator.zip">http://downloads.solarwinds.com/solarwinds/Release/FreeTool/SolarWinds-Subnet-Calculator.zip</a></li> <li>• Linux OS - <a href="http://distrowatch.com/">http://distrowatch.com/</a></li> <li>• Ollydbg v2.01 - <a href="http://www.ollydbg.de/odbg201.zip">http://www.ollydbg.de/odbg201.zip</a></li> </ul>	

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<b>Unit</b>	<b>Description</b>	<b>Total Marks</b>
I	Q.1 (A) Viva – Voce	20
	Q.1 (B) Practical	50
		70