Link to download Cisco Packet Tracer software:
http://143.132.8.23/cms/nmeghanathan/docs/PacketTracer533_setup.exe

Project Description: Use the Cisco Packet Tracer software to setup a network of VLANs with multiple broadcast domains, as shown below.

You should record (desktop recording) a video capturing how you setup the entire network of VLANs and configure the PCs, the switch and router to facilitate communication between machines across VLANs (i.e., from one VLAN to another VLAN) as well as within a VLAN. You should specifically record the ping communication between the following machines, as indicated below. Show the results of the tests in both the DOS Window at the sending computer as well as in the simulation mode of the Cisco packet tracer (displaying the transfer of packets). You should record your explanation (i.e., talk clearly) as you demonstrate the setup, configuration and testing of your connections.

What to Submit: Clearly record your video/audio presentation (desktop recording) as described above and share the video through Google Drive to my email address: natarajan.meghanathan@jsums.edu. E-

Ping Command Communication to Test and Demonstrate in your Recorded Video:
(i) from 192.168.20.10 to 192.168.10.10
(ii) from 192.168.10.11 to 192.168.20.11
(iii) from 192.168.20.11 to 192.168.20.10
(iv) from 192.168.10.10 to 192.168.10.11
**Tutorial Videos**
Click on the following links to open my YouTube recorded videos:

VLAN Tutorial 1: Basics: One Switch - Multiple VLANs  
http://www.youtube.com/watch?v=2g1Npvtv608

VLAN Tutorial 2: Communication across VLANs using a Router connected to the Switch (Multiple Cables: One for each VLAN; Inefficient Approach)  
http://www.youtube.com/watch?v=FCuillinh710

VLAN Tutorial 3: Communication across VLANs using a Router connected to the Switch (Router on a Stick - Trunk Model; Efficient Approach)  
http://www.youtube.com/watch?v=NgaMmqVClq4

VLAN Tutorial 4: Setting up a DHCP Relay Agent to assign IP Addresses for Machines in a VLAN  
http://www.youtube.com/watch?v=iRBbHjeqUgs

VLAN Tutorial 5: Communication within a VLAN spread across Switches (Switch to Switch - Trunk Model)  
http://www.youtube.com/watch?v=fFRcDAJEQGs

VLAN Tutorial 6: Communication between VLANs spread across Switches (using Router)  
http://www.youtube.com/watch?v=WGn0HsKHqIU