

Assignment-6

COMPUTER NETWORK LAB (CSPC-227)

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Solve all the questions

Create a scenario in which five different groups (CSE, ME, ECE, EEE and CE) of same network are directly connected through intermediate devices. Each group having 2/3 end systems. Given scenario is having atleast 4 different VLAN. (USE minimum 4 hub, 2 switch and 3 router). Do the following for the given scenario.

1. Provide the Static IP Address to every end device available in the network.
2. Label each and every device in the network.
3. Label each and every interface with their IP Address.
4. Show data transmission between same VLAN
5. Analyze the layer wise communication between the devices.
6. Topology used in CSE is STAR
7. Topology used in ECE and ME is Bus
8. Also explain the overall topology of network.

Note : Also explore Inter-VLAN Communication.

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