ASSIGNMENT-3

211TE32 - VIRTUALIZATION

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Coleating VLAN Using Cisco Packet Tracer.

To create VIAN on the cisco area, we need VIAN name - office expansion and VIAN Id- 80 and also the poets

esteps to reveate VLAN un cisco packet traces:

cisco packet tracer execution vile.

Ostep 2: In execution tile, we can download cisco packet toward by weath an account by filling the necessary details.

ottep 8: Lound the cisco packet treacer, and overte any kind of topology along with the cisco switch.

connect the laptop, Pc and securer to the cisco united.

allep 5: To contigue VIAN, click cisco unitor

ostep 6: Write the command for configure NLAN attep 7: Year the command for enabling,

switch >en

often 8: Wille the command for showing the VLAN configuration:

witch # whow VLAN build.

VLAN by using the command,

whitch # NAN 20 white Expansion.

atop 10: Wente utre coole bor VLAN configuration,

usuitch = contig = vlan 20
vuitch (contig = vlan) # name office expansion
vuitch (contig = vlan) # exit
vuitch (contig = vlan) # exit
vuitch (contig = vlan) # exit
vuitch (contig = it) # vuitchpout oracle access
vuitch (contig = it) # switchpout oracle access
vuitch (contig = it) # switchpout oracle vlan 20
vuitch (contig = it) # oxit
vuitch # vshow vlan voite.

the console the commands and unow use weated the VIAN which name is obtice expansion by using cisco packet iteracer.

Rationale:

4) By creating a VIAN for the new office Expansion, you are logically regergating the notwork.

*) This enhances excusity by limiting dereadcast adomains and oreduces the orlike of unauthousted access to sensitive whata.

Considerations:

- * Ensure that the pouts on 'Engantion Switch are only acceptable to authorized devices use powpour recurity measures like ostewny password! 802.1x authentication.
 - de) Implement appropriate birevall ocules and access control deits between VLANS to control inter-VLAN traffic and maintain recurity.
- 4) Monitor the network performance segularly to onsure that the regmentation doesn't lead to bottleneck on congestion adjust bandwidth allocation its necessary.