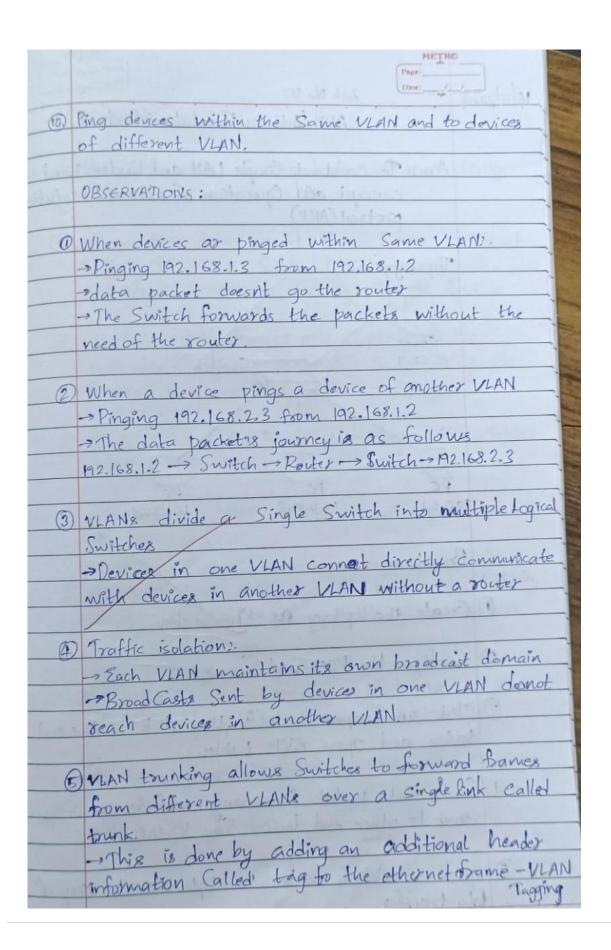
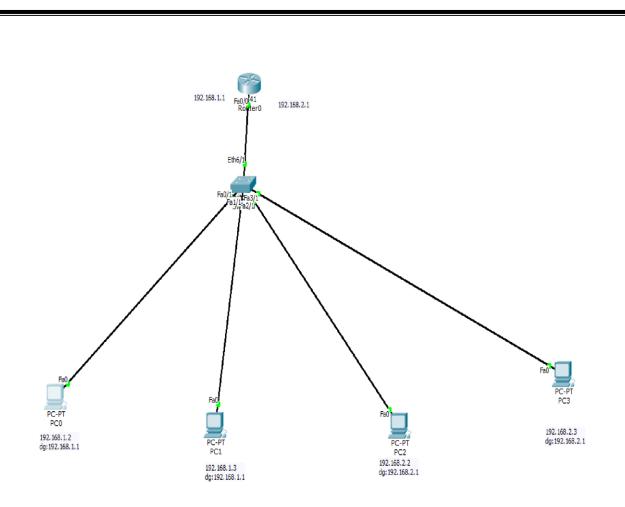
LABORATORY PROGRAM – 11

To construct a VLAN and make the PC's communicate among a VLAN

	To cons	struct a VLAN and make the PC's communicate among a VLAN
		METRO
		Date: / /
	18/12/24	tab Na. 9
1	1811	VLAN
1		lim: To construct a VLANand make the PC's
1		Communicate among a VLAN.
1		Communication
		Tanalogue:
1		122 1/2 2
		192.168.1.1
		Router fac/o
		6th G/1
	74.0	fact Switch
		fadi Switch
		fal/1 fal/1
		a the state of the
	1	
		PC P
	19.2.	PC PC PC PC 168.1.2 192.168.2.3 192.168.2.3
		A CONTRACTOR OF STATE
ack		The second of the labor 19 and the labor 19 and the labor 19 and the labor 19 and 19 a
9		Procedure:
	0	Place a 1841 Bouter, a Switch and PCB
	(2)	Connect the fotes Ple to the Switch Via
		fasthothernot.
11 17		
		Since only 4 fasthethernet ports are available in the Switch, we have add an ethernet port
	3	Since only 4 tasthement port
10		in the Switch, we have add an congress
J		011 0 01-6
1	(a)	Switch of the power button of the Switch
_		-Add the ethernet port to the Switch
		-C. 11 the power patton
		-Switch on the power putton -Switch in the power to the Switch via ethernet 61
		-> Connect the youter
	1	
		The state of the s

Date: 1
1 In the Switch, go to Config Tab and
- Select VLAN Namber (Say2)
-> Give VLAN name (Say Seise)
→ Add it to the Database
© Select the Switch:
- Go to Config - Go to ethornet 6/1 Le Connected to router
-> Make it the tounk
(2) Configure the PCB as shown in the Popology
& Select Switch:
→ Go to Config → Go to Fastethernet 2/1
-> Set VLAN number as 2 i.e "Cseise"
- Similarly set VLAN 2 for fastethemet
3/1 interface
9 Configure the router:
Router (config) # inter Router (config) # inter
Router (configif)# ip address 192.168.1.1 255.255.255.0 Router (config-if) # no Shut
Router (Config-if) # exit
the state of the s
Now to configure the vouters VLAN interface
Router (config) # interface fastethernet 0/0.1 Router (config-Subif) # encapsulation dotlar2
Route > Config - Subif) + tio adhess 192.16x.21 255.255.255.0
Router (config-subit) + noshut
Router (Config-Subif) + exit





Command Prompt

```
Packet Tracer PC Command Line 1.0
PC>ping 192.168.2.2
Pinging 192.168.2.2 with 32 bytes of data:
Request timed out.
Reply from 192.168.2.2: bytes=32 time=0ms TTL=127
Reply from 192.168.2.2: bytes=32 time=0ms TTL=127
Reply from 192.168.2.2: bytes=32 time=4ms TTL=127
Ping statistics for 192.168.2.2:
   Packets: Sent = 4, Received = 3, Lost = 1 (25% loss),
Approximate round trip times in milli-seconds:
   Minimum = 0ms, Maximum = 4ms, Average = 1ms
PC>ping 192.168.2.2
Pinging 192.168.2.2 with 32 bytes of data:
Reply from 192.168.2.2: bytes=32 time=0ms TTL=127
Reply from 192.168.2.2: bytes=32 time=0ms TTL=127
Reply from 192.168.2.2: bytes=32 time=2ms TTL=127
Reply from 192.168.2.2: bytes=32 time=0ms TTL=127
Ping statistics for 192.168.2.2:
   Packets: Sent = 4, Received = 4, Lost = 0 (0% loss),
Approximate round trip times in milli-seconds:
   Minimum = 0ms, Maximum = 2ms, Average = 0ms
PC>ping 192.168.2.3
Pinging 192.168.2.3 with 32 bytes of data:
Request timed out.
Reply from 192.168.2.3: bytes=32 time=3ms TTL=127
Reply from 192.168.2.3: bytes=32 time=2ms TTL=127
Reply from 192.168.2.3: bytes=32 time=1ms TTL=127
Ping statistics for 192.168.2.3:
   Packets: Sent = 4, Received = 3, Lost = 1 (25% loss),
Approximate round trip times in milli-seconds:
   Minimum = 1ms, Maximum = 3ms, Average = 2ms
PC>ping 192.168.2.3
Pinging 192.168.2.3 with 32 bytes of data:
Reply from 192.168.2.3: bytes=32 time=0ms TTL=127
Reply from 192.168.2.3: bytes=32 time=0ms TTL=127
Reply from 192.168.2.3: bytes=32 time=2ms TTL=127
Reply from 192.168.2.3: bytes=32 time=0ms TTL=127
Ping statistics for 192.168.2.3:
   Packets: Sent = 4, Received = 4, Lost = 0 (0% loss),
Approximate round trip times in milli-seconds:
   Minimum = 0ms, Maximum = 2ms, Average = 0ms
PC>
```