•	Experiment:
	DatePage No
	Experiment-3
	그 경기는 그 생기에 있는 것은 것을 하는 것이 살아왔다. 그는 것이 살아보는 것이 없는 것이었다.
	Objective: To establish all the topology of netwark.
1	netwank.
	Tool required: Cisco Packet Trace.
	Theory: Netwark topology refers to the avorage- ment of nodes (devices). There are several types of network topologies:
	ment of nodes (devices). There are several types of
	network topologies:
1 1 1	
	Bus topologys Alldevices are connected to a single backbone cable. It's simple & inexpensive but can suffer John a single point of failure.
And the second	backbone cable. It's simple & inexpensive but com
	suffer from a single boint of Lailure.
2.	Star Topology: Each device is connected to a centeral
	hub an switch 17 one connection this it doesn't
	affect the nest of the network, but the central hubcan
	affect the nest of the network, but the central hubcan be asingle point of failure.
<u>3.</u>	Ring Topology: Devices are connected in a circular
	manner where each devices is connected to exact
	two other devices. Data flows in one direction around
	theoling tailune of one device can disnupt the entire
	network.
4.	Mesh Topology: Every device is connected to every other devices in the network. It's subjust 80 Jainst
	other devices in the network. Y's sobust to Jourt
CLASSTIME	tolerant but expensive to complex to setup

	Experiment :	Date
S.	types of topologies. Fan example, a netical combination of stan 80 mesh topologies cost-80 perjanmance.	nanc different
-> Seb 1.	Procedure. Bus Popology. Open (isco parket finances.	
Step 2. Step 3	Connect all the switches with ea	ch other
steps	Connect each switche to a Pland Test connectivity between devices.	give it additions
<u>-)</u> 1. 9.	Stan Topology Open Cisco packet fraces Anag a switch and some P(s.	
3. 4.	Connect all pls to switch and Test the connectivity.	give (Paddnesst
<u>ー)</u> 1.	Ring Topology Start by placing devices on wankpo	ace.
9.	Connect the switch/hub in a cincular connect ensure that each switch is con 2 devices	1 manner
3. 4. 5.	Connect all switches hubs to a PC. Inive IP address to PCS Test the connectivity.	
CLASSTIME		

Experiment :	DatePage No
4. Mesh Popology:	1 ago (10
1. Drog all devices to the wankspace	0
1. Drog all devices to the wankspace 2. Connect each switch to every other	device using
appropriate cables.	U
3. Connect PCs to the switches	
4. Configure IP addresses to each P. 5. Pest the connectivity.	(.
5. Test the connectivity.	
S. Hybrid Yopology	on callina
1. Combine elements from two as m	whe establishe
o logical mesh, bus, etc).	con activity
1. Combine elements from two as mesh, Bus, etc). 2. Pealarme Stimulation to test the of hubrid network and check	it Tunctions
as intended.	113 Janeiron
as intended.	
Result. Successfully establis	shed the
	star, Ring,
topologies of network (Busia	9
1 Con and	
CLASSTIME	