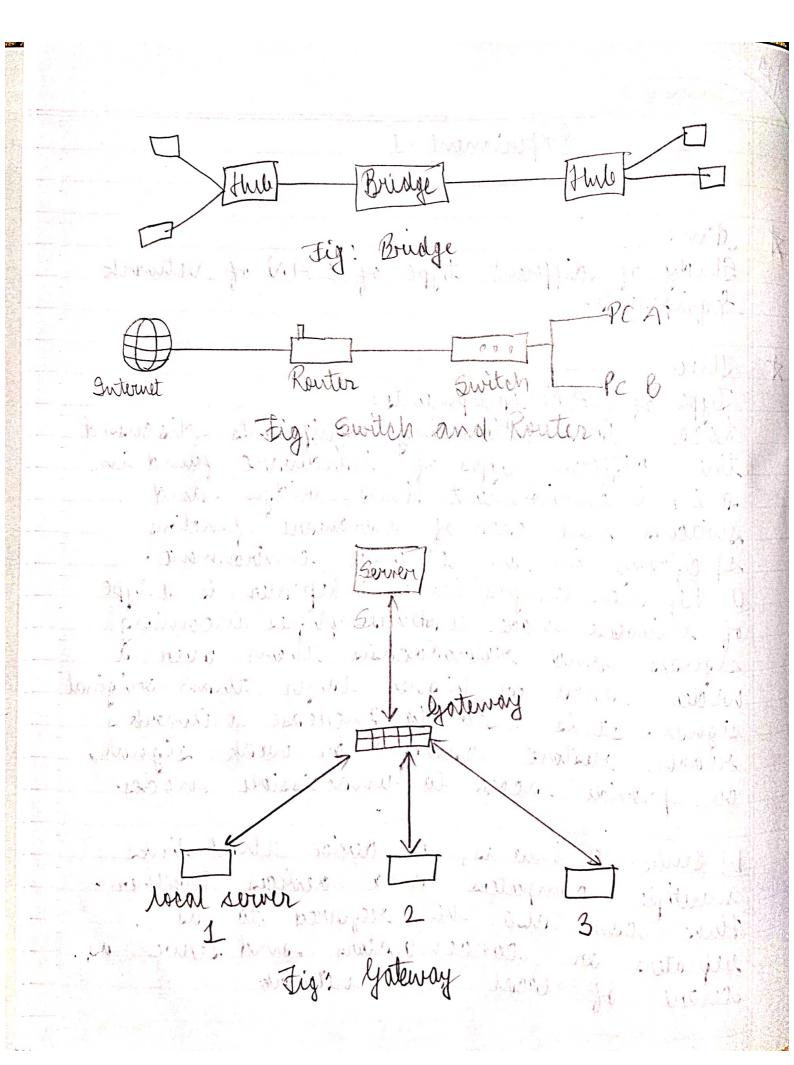


Page 1 of 11

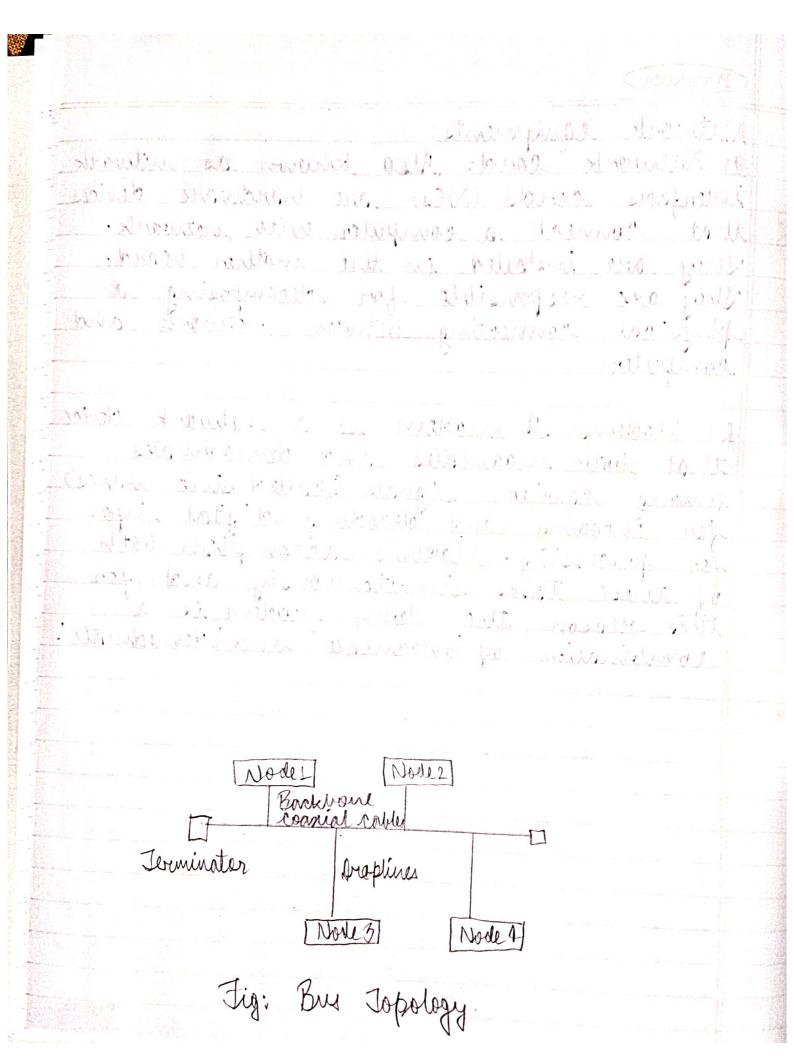
03/24	
07/02/	POORNIMA
	Experiment-1
2/3	
V 17	
#	dim:
	Study of different type of LAN of Network
	Study of different type of LAN of Network Equipments.
	V
A	Theory:
	Types of LAN equipments:
20	Local drea Networking equipments discussed
	the different types of hardwark found in
	a LAN environment bruke, bridges and
	switches how each of hardware functions
	a Repeaters (Kayers/ Devices): Repeater is a type
	a Repenters Rayers Lends. Repender is a type
	of network node that amplifies incoming signals and rebroadcasts them over a
	wider area or higher layer than original
	signal. It is used to increase network's
	reach, restore damaged or weak signal,
	or pravide acress to unaccessible nodes.
	b) slule: A bule is a device that links
	The parabolitation and summer was well as
2.13	11. Le can suso be sufferred to as
	repeaters or noverteen and network
	Page No
	30 IVO



0'	
	POORNIMA
	Cl Bridge: A bridge is a network device that connects multiple subnetworks to create a single network. It provides inter connection with other computer networks that use the same protocol.
	d) Switch: A metwork switch is equipment that allows two or more IT devices, such as computers, to communicate with smother.
	C) Router: A nonter is a device that connects two or more packet switched retworks or subnetworks. It serves two primary functions managing traffic between these networks by forwarding data packets to their intended IP addresses, and allowing multiple devices to use the same internet connection.
	f fateways: A gateway is a network node used in telecommunication that connects two networks with different bransmission protocols together. Gateways serve as an entry and east point for a network as all data must pass through ar communicate with the gateway prior to being routed.
	Page No

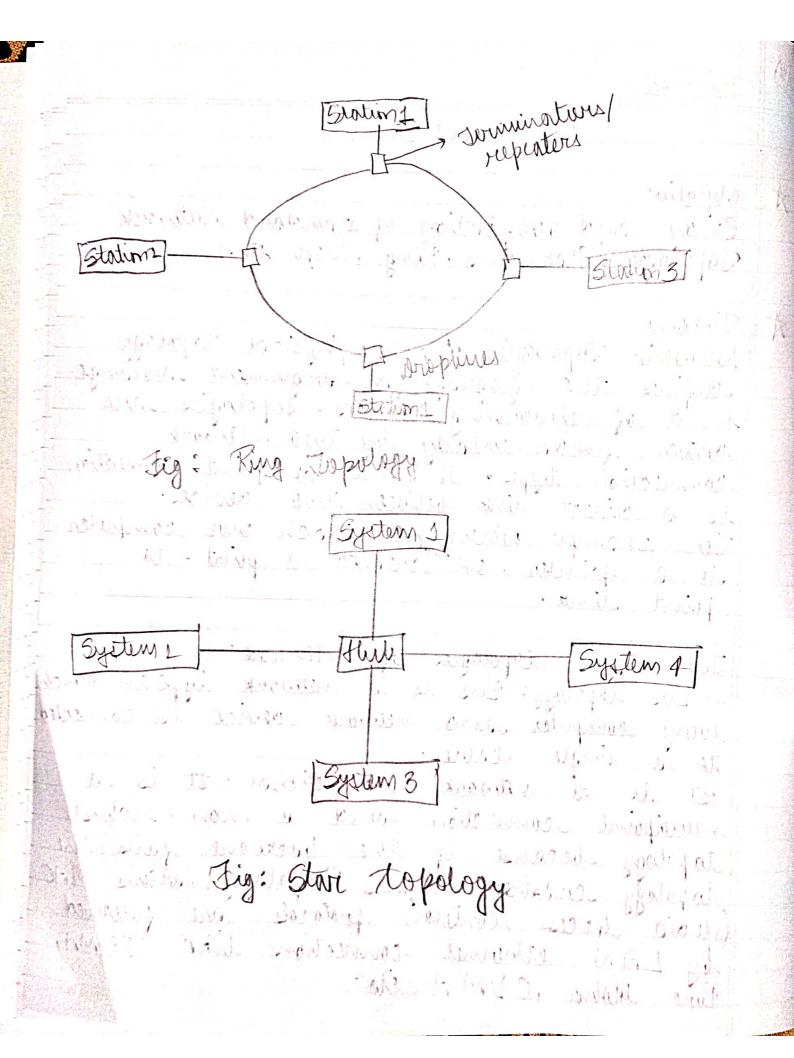
Mar	
	POORNIMA
	Network equipments:
	1) Netwerk Cord: Also known as network
	interfaces conds (NCs) are transvource devices
1100 to 1000 t	that somest a computer with network.
And the second	They are installed in the mother board.
60 T	They are responsible for decomposing a
% - 1'	physical connecting between network and
T.	consputer.
1	& Moderns: A modern is a network device
J.	that both modulates and demodulates
Ì.	among carrier signals (called sine waves)
À	for incoding and alloading digital info.
5	for processing. Moderns accomplish both
3 37	of these tasks simultaneously and, for
70	this reason, the term modern is a combination of modulate' and 'demodulate'.
	Command of moderate moderate
1	
17	
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by Rohit Jangir



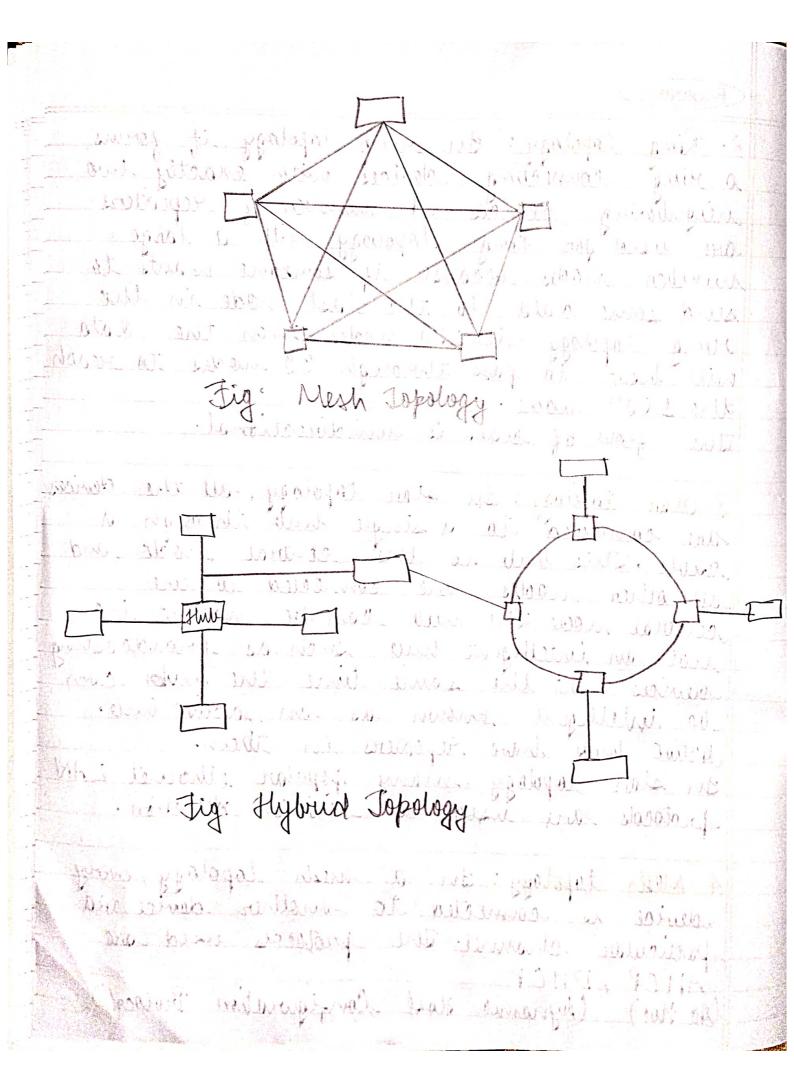
Page 6 of 11

\ \ \ \	
07/03/24	POORNIMA
	Experiment -2.
3	
A	Objective:
	Study and verification of standard Network
16	Study and verification of standard Network Jopologies (Stan, Bus, Ring, Mesh etc.)
X	Theory:
T	Network Topologies: LAN physical topology defines the geographical argument arrange- ment of networking devices. Topologies are
(45) · · · · · · · · · · · · · · · · · · ·	defines the geographical argument arriange-
42	ment of networking devices. Topologies are
200	Minney Jundaminially by lift million
100	connection types. A point to point connection
200 200 200	is a direct link between two devices.
	For example, when we attach own computer to a printer, we inversed a point - to -
	point link.
100 mg / 100	There was a second of the seco
	The inger topologies of LAN are:
215	11 / 6/2 to bolony: Black is a number suffer in which
0.1	hand remaile the second
	to a sincell south.
	It is a network biolivicational. It is a
250	multipoint connection and a non-robust
	topology because if the Topology various Ma
	topology because if the backbone fails the topology various MAC topology crashes an Bus Topology various MAC (rudia Access Antrol) protocols are followed
	by LAN ethernet connections like TDMA
	O MALON CONTRACTOR
	Page No
W. Difference	THE STATE STATES ASSESSED THE CONTROL OF THE STATES ASSESSED ASSESSED.



100	
	POORNIMA
· · · · · · · · · · · · · · · · · · ·	2. Ring topology: In ring topology it sorms
4	a ring comecting obvices with exactly two
	neighboring devices. I number of repeaters
, = =	2. Ring topology: In ring topology it forms a ring connecting clevices with exactly two neighboring devices. I number of repeaters are used for Ring topology with a large
1	number nodes, because if someone wants to
	send some data to the last node in the
	ring topology with 100 modes then the data
	will have to pass through 95 modes to reach
Ì,	the suidle.
	The flow of clota is unidirectional.
	3. Star topology: In star topology, all the devices are connected to a single brule through a
L-III-	are connected to a single but through a
	I ruly , this will is the remain more and
in Ber	all other modes are connected to the
	central node. The hub can be nature i.e.
	not an intelligent hule such as broadcasting devices, at the same time the hubs can
	devices at the same and must can
7	I ha hattill mand known and out ancient will.
4	Artive huly have repeaters in them.
- 10°	In star topology many popular ethernet LAN protocols are used as collision detection.
	prolocols and tiety of statement.
13	4 Mesh topology: In a mesh topology, every device is connected to another device via particular channel. The protocols used are AHCP, DHCP
	as in commented to mother device
A	bartially phonomel: The protocols used
	ALCO DUCP
	AHCP, DHCP (Ad Hoe) (Ayramic Host Configuration Brotocol)
S WIL	han day

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Page 10 of 11

- 11	POORNIMA
- 11	5. Hybrid topology: This topological technology is the combination of all the various types of topologics we have studied flywrial topology is used when the modes are feel to take any form. It makes there can be individuals such as Ring or star topologics or can be a combination of various types of topologics seen. Early individual topology uses the protocol that has been discussed.
	Page No