

# Parchyaneth Charleble Trust's

(Approved by AICTE New Delhi & Govt. of Maharashtra, Affiliated to University of Mumbai)
(Religious Jain Minority)

It is a device which operates at all 7) GATEWAY: Tlayers. It can be used to connect two different dissimilar now we like ethernel toke ming & foot. They provide conversion bet technologies Also they can execute all functionalities of fourters \* NETWORK TOPOCOGY Defo: Network topology is a map of Nw. It defines how all components one connected with each other. Types of no Topology Tree Stor Mesh Bus topology:-Bus topology is desigened in such way that all stations are connected through a single coble. Known as Backbone When node wonts to communicate it sents a message over nlw. (broadcast msg) all the stotions availate in network received message even though it has been not addressed to othem. Teamington Back bont. BUS topol094

Prof. Vishakha K. Chaudhari



#### Parshvanath Charltable Trust's

## A. P. SHAH INSPERIENCE OF TECHNOLOGY

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		directional in 1100 mgmt.		
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Ring Theology				
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Prof. Vishakha K. Chaudhari



#### Parthymath Charlette Trusts

### A. P. SIMI INSPERIOR OF TESTINOLOGY

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Disadvantages 1) Difficult to troubleshoot 2) If one Station Pails it will cause entire Ring to breakdown 3) Adding & removing station is difficult b) Communication delay is introduced and is directly proportional to no of nodes Ster Topology: Tris designed in a such way that every node is connected to central HOB/swith commonly used topology Suitable for all types of now. It tollows client Spries architecture - Fintense < HUB Star Topology Advantages efficient troubleshooting Adding or removing under is easy.
If one node fails doesn't after entirent Easy to install & configure: High Speed Cost effective

Prof. Vishakha K. Chaudhari



#### Parahymeth Charlette Trust's

### A. P. SIMI INSPIRIUME OF TECHNOLOGY

(Approved by AICTE New Delhi & Govt. of Maharashtra, Affiliated to University of Mumbai) (Religious Jain Minority)

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	Disadvantages
	- Exessive cables are required, so
	- It central HOB fails causes entire 100 to
	break down
-4	Tree Topology
	1+ combines characteristices of bus topology
	- stag topology.
	It is a type of structure in which all upder
	ore connected with each other in hierarchical manner
	Top most node is called as not node & all other
	node are descendents of root node
	There exist only one path between two under
	for data transmission. Thus it forms parent - child
	hierarchy
	17
	R
	D B B
	Tree Topology
	Advantages
	Supports broad band transmission
	- Easily expandable
	- Easily manageable
	- Emor detection easy
	Limited failure

Prof. Vishakha K. Chaudhari



### Parahvanath Charlettle Treats

# A R SIMI INSTITUTE OF TECHNOLOGY

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Disadvantages Trobble shooting is difficult.  High cost  If backbone cable fails entire now will  be broken down.  Reconfiguration difficult in adding / Removing Nodin  Reconfiguration difficult in adding / Removing Nodin  To this topology:  To this topology each shoode is connected  to other node via a seperate coble  It creates multiple poth forom one  continued to another node  Internet is example of Mesh topology  It is mainly used for wireless now  No of cobles = (not (not)/p);  where nis no of nodes in now  fully Mesh - In this one mode is  connected to all modes in now  Portial Mesh: In this one mode is  not connected to all modes in now  con have connected path (direct  Indirect.  Advantages Disadvantages  i) Reliable I) cast  e) fast communicatin 2) Mamris difficult  g) Easy to Reconfigure 3) Efficiency is reduce	
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e) fast communication 2) Mamrisdifficult	
3) Easy to Reconfigure (3) Efficiency is reduce	
	C D C
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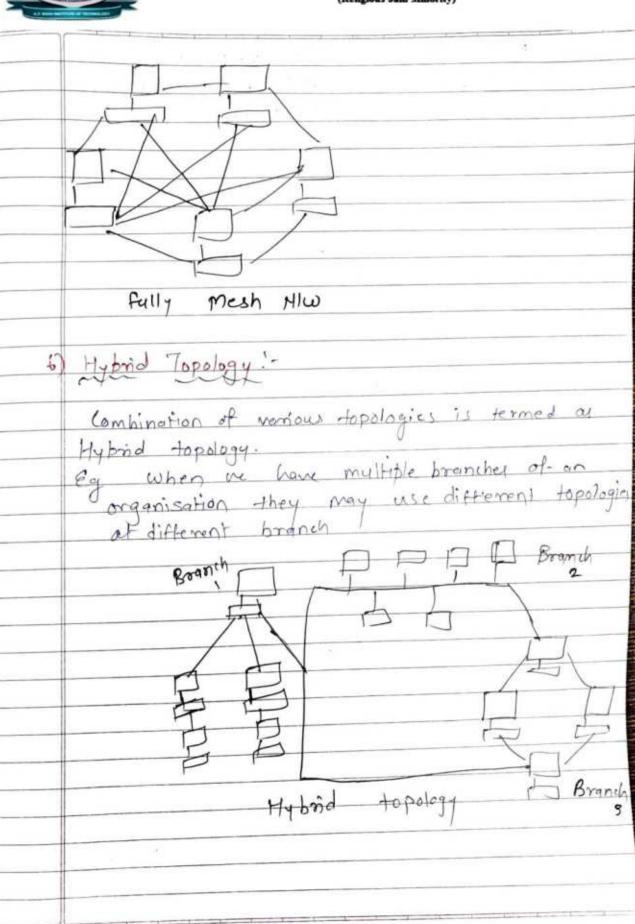
Prof. Vishakha K. Chaudhari

#### Parshvaneth Charleble Trust's



#### A. P. STATI INSPRIMEND OF THEST COLORS

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(Religious Jain Minority)





Parahyanath Charleable Trust's

### A. P. SIMI INSTRUCTE OF TESINOLOGY

(Approved by AICTE New Delhi & Govt. of Maharashtra, Affiliated to University of Mumb (Religious Jain Minority)

-~	Advantages  1) Reliable  1) Scalable	Disadvantages  1) Complex design  2) Costly
~~	3) flexible	
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