

Parshvanath Charlable Trust's

A. P. SIMI INSTRUCTE OF TECHNOLOGY

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

A.P. SHAM METTURE OF TE	CHANGE CONTRACTOR CONT
	To peer to peer now, each node in now
	acts as a server as well as client. These
	whole are called as feer.
	There are no dedicated server required to
_ 30	provide diff services to clients.
	Each node is capable of requesting
	services and they can also provide services
	to another node.
	5 (C) 11 (V) 12 (C) 13 (C) 14 (C) 15
	Pros
	- This nlw is easy to implement
	- saves cost as no extra extra blw fs/w
	needed.
	- Usefull for small nows.
	- If any any peer fails doesn't effect the
	entire now
	Cons.
	- Security is his issue
	- Security is big issue.
7	HARDWARE COMPONENTS
	HUB: - It is connecting device. It is also
	Known as multipoint repeater. It is
	used in Star topology Hub words in
	a post is broadcasted to all ports.
	a part is proadleisted to all parts.
	It is worlds in physical layer of OSI mode:

Prof. Vishakha K. Chaudhari



Parshvanath Charltable Trust's

A. P. SINI INSHHHUHD OF HEGINOLOGY

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

There are 3 types of HUBS i) Passive 2) Active 5) Intelligent There is no signal (s/g) Processing or regeneration.

It does not boost the signals. 1) Active HUB: - They work as passive hubs but it has some electronic components for regeneration and amplification of signals. 3) Intelligent HUB: - In In addition to signal regeneration, intelligent bubs perform some network mgms. path selection function 西西西西西西 2) Router: -Router is a device that connects two or more networks. It consists of how I slw. How includes physical interfaces to the various new & sta in router is Os & routing protocols. Router is responsible for routing the packets to proper destr by selecting appropriate soute. appara is grouped into packets. Each packet will have its physical device address and logical network address.

Prof. Vishakha K. Chaudhari



Parsivanath Charladd Prasiva

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

Modern works as modulator as viellas demodulator. Modern converts analog alg to digital slg. & vice-versa. In 1/23 data is transmitted from one location to another. location for the we have PSIN (infrastructure) it is of analog technology but computer sendo digital dato. we need to convert digital dato into analog & vice-versa This is done by using MODEM Transmitted Analogus Andrise Moder Modent. telephone. 1 lines (As demodulater) 4) Switches can be used to meated stor topology. It looks like HUBS but it is upny efficient then HUB. Switches operated in DLI. They forward the packets only to the desired destination switches make use of MAC addess to find out the correct deer node connected to it. switches can operate in full duplese with BRIDGE:Bridge is a network device which at DIL It is used to connect

Prof. Vishakha K. Chaudhari



Parshvanath Charitable Trust's

A. P. SHAH INSHHHUHHE OF THECHNOLOGY

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

CATE / / two different LAN Segments Bridges stores MAC address of devices connected on now by "listening" to plw traffic. Using this address table bridges either forward The date or block the data based on MAC adds If bridge finds that particular address of dest is not-in MAddress toble it termantle data to another niw. And if the address is in Address table & not an otherside of Bridge it will block data (moving to i.e it does not forward data to nother side) Types of Bridge 1) Transparent Bridge: They are invisible to other devices on now. The main function of this bridge it to block or forward data according to mAc address. 2) Source Routing Bridge: .
They are designed by 18m for token Ring NIWS. The route for frame is already embedded with dola framer by source str. . Drive the frame is forwarded it must follow a defined

6) REPEATER :-

moute.

niw. It is two part device. Repeater docit
strength the signal it simply reproduce signal when

They operate on physical device layer.



Parshvanath Charlable Truste Ocht Go Chillian (Charlable II)

(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 ring & fDDI. They provide conversion bet technologies Also they can execute all functionalities of Routers. * NETWORK TOPOCOGY Defo : Network topology is a map of Nw. It defines how all components one connected with each other. Types of now Topology Ring. Tree Star 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 nw. (proadcast msg) all the stotions availe in network received message even though it has been not addressed to other. Termington Back bont. BUS topo1094

Prof. Vishakha K. Chaudhari