Name: Rajat Minekar
Poll : 31448 M4
Page No. Date
Assignment - I
U Spiritstand In
Title 3- 1 man market posterior to
setup a corred LAN using layer
switch of then IP switch of minimum
four computers. It encludes preparation
of cable, testing of cable using line
tests configuration machine using IP
addresses, testing using PING utilit
& demonstration of the PING packets
captured using wireshark packet analys
andool.
Amilying among a proget 14th a
objectives:
s to under stand the structure of
working of voorious networks including.
interconnecting devices used in them.
2) To get hards or expenience of making
testing cables.
Types of heterosks:
ENTERNING TO THE PARTY WAS ASSETTED TO THE PARTY OF THE P
DIAN: - ( Local Arrea Network)
A LAN connects network
deutces over a relatively short dist
A networked officie building, school, or
home acisually contains single LAN!
tough sometimes one building will
confair a fee small LANS &

Page No.

and omessionally a LANI will span a

2) MAN: (Metropolitan Area Network)

A betwork spanning a physical area larger than a LAN but smaller than WAN, such as a city. A MAN is typically owned & operated by single entity such as a government body as large appration.

3) WAN: (Wide Area Heteroste)

a WAN spans a large physical
distance. The intermed is the
largest WAN, spanning the Earth

Types of Cables :-

I Unshielded Twisted Pair (UTP) ade:

two verifies (1) shielded (2) Unshielded

UTP is the most popular

School networks.

Category	Speed	of mystages Ose
0	get rate A	
6	1 Mbps	Voice Only (Telephone wire)
(3)	4 Mbps 16 Mbps	Local Talk & Telephone
(a)	20 Mbps	10 Base Ethernet Token Pring
6	100 Mbps	100 Base Ethernet
7-M 95/3	1000 Mbps	Gigabit Ethernet
(50)	1000 Mbps	Giga bit Etherneet
0	10,000 Mbps	argabit Ethernet
		Service of the servic
2) Coas	etal cable :-	
		It has a single
cobbess	conductor of	Pté conter. A plastic
eager	provides much	ation between the
		braided metal shield
		relps to block any
ouside	Although	, 7+ Ps different to
enetro OI.	It Pe Wioble	resistant to signal
Phone	rence.	
Netwost	Topology 5	
	Pornt to point	tobology.
	Bus topology.	
3)	Star forpology.	
4)	Ring topology	
5)	Tree topology	1.
6)	West tobologi	1.
(7)	thinksig, toba	lady.

Device 3

A star topology Ps designed with each rode connected directly to a central network hield, switch or concentrator. Data on a stor network passes through the hield, switch or concentrator before continuing to It's destination. The hub, switch or concentrator manages & controls all Function of network. Device 1 Device 2

Device 4

Devices

Page N	2.		
Date	1	1	1

## Advantages 3-

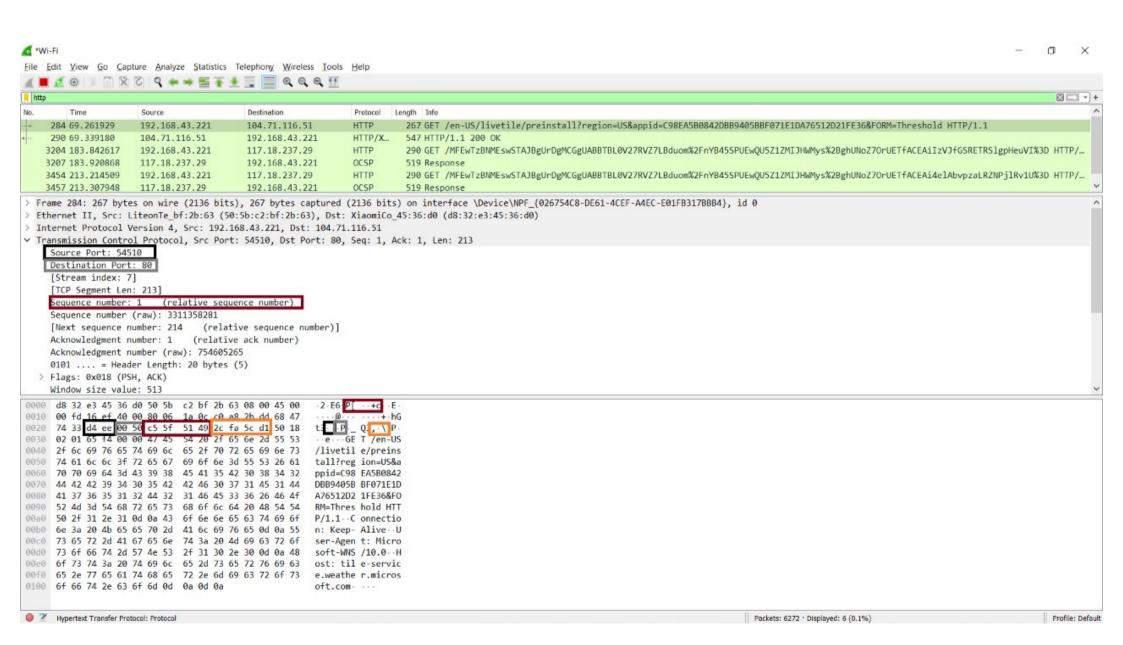
- D) Easy to Install & where.
  2) No distributions to the network when
- connecting or removing devices.

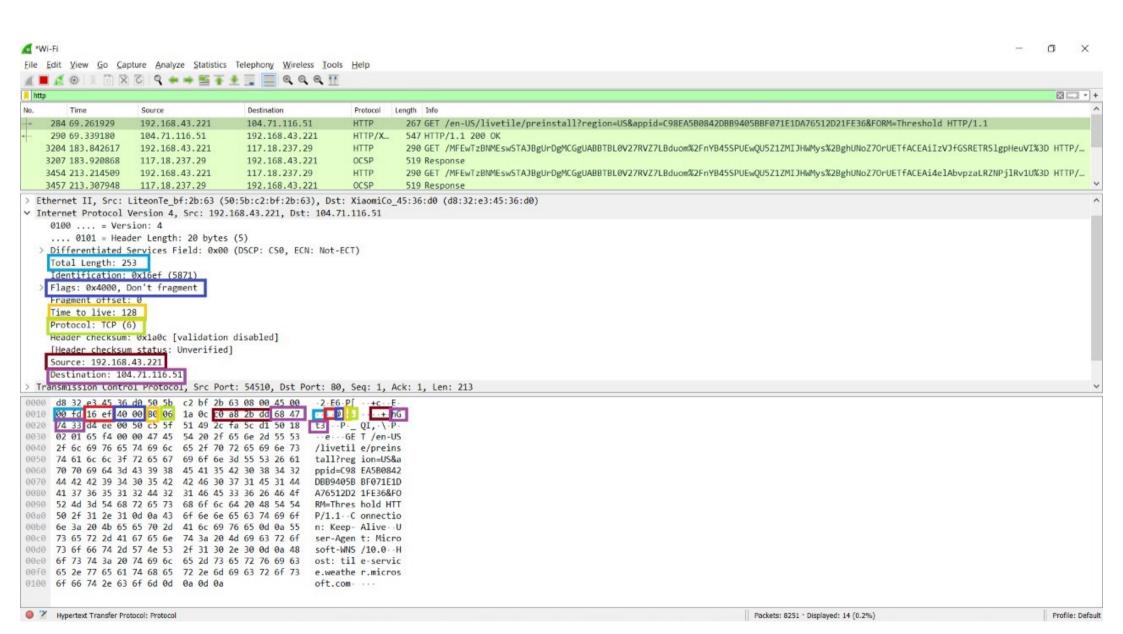
  3) Easy to detect faults of to remove parts

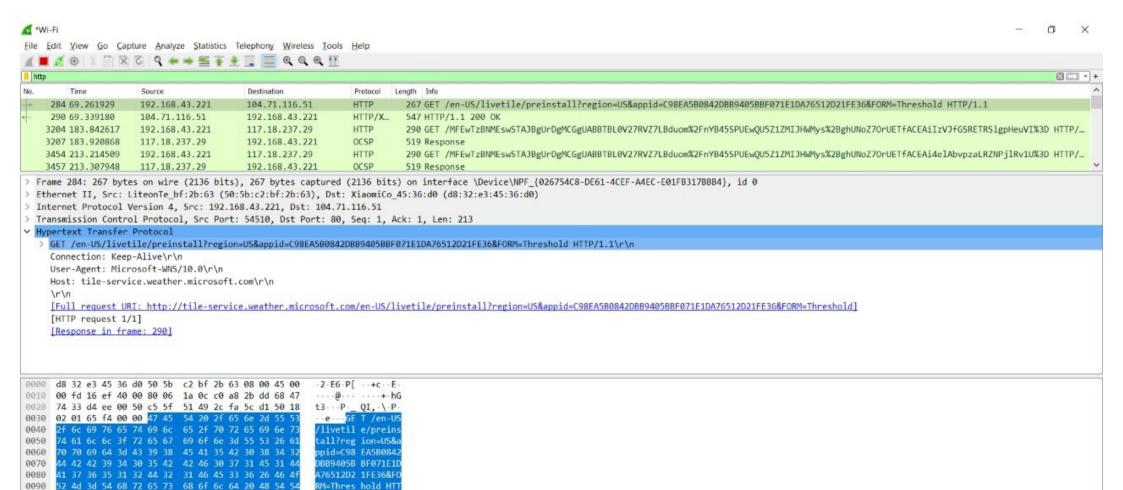
## Disadvantages :-

- 1) Requires more cable length than a linear topology.
- 2) If the hub, switch or concentrator fails, nocles at Immediately are disabled 3) More expensive than linear bus

Conclusion 3wassous networks & study of existing







Packets: 10907 · Displayed: 42 (0.4%) Profile: Default

00a0

00b0

00c0

0100

50 2f 31 2e 31 0d 0a 43 6f 6e 6e 65 63 74 69 6f

5e 3a 20 4b 65 65 70 2d 41 6c 69 76 65 0d 0a 55

73 65 72 2d 41 67 65 6e 74 3a 20 4d 69 63 72 6f

73 6f 66 74 2d 57 4e 53 2f 31 30 2e 30 0d 0a 48

6f 73 74 3a 20 74 69 6c 65 2d 73 65 72 76 69 63

65 2e 77 65 61 74 68 65 72 2e 6d 69 63 72 6f 73

6f 66 74 2e 63 6f 6d 0d 0a 0d 0a

/1.1..C onnecti

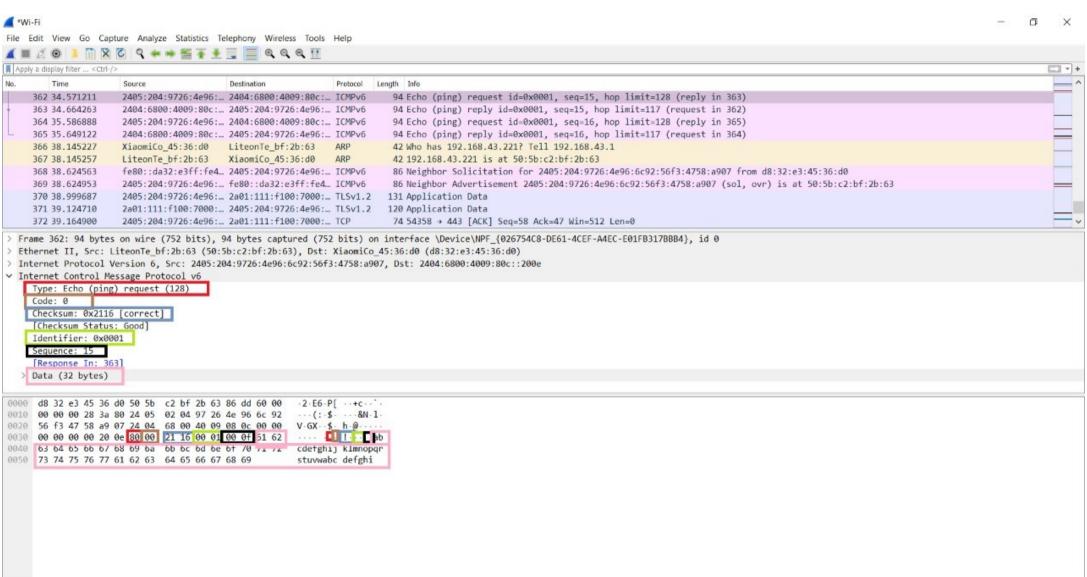
Keep- Alive..

er-Agen t: Micro

soft-WNS /10.0..

ost: til e-servic

.weathe r.micros



Packets: 380 · Displayed: 380 (100.0%) · Dropped: 0 (0.0%) Profile: Defau

