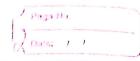
TE	apesh Dharme = 01 124 Assignment 2
-	
Pr	oblem Statement:
	Set up a MAN which contain wired
OX	od wireless LAN using parket tracer tool.
D	emonstrate transfer of parket from LANI
l w	ired to LAN2 (wireless)
Tit	1e: Wired - wireless LAN Setup
DP	floation: to setup a wired -wireless
1 6	IN COTUD UCING a DACKPT Tracpr TOOT.
ar	id connect wired and wireless LANG
RE	quirements:
	Parket tracer tool
	wireshark tool
. (arrighment was conducted virtually
	due to pandemic).
The	eory:
W30	
Tor	201097.
Tup	To not day refers to the manner in

Topology refers to the manner in which the links in a computer network are connected to relate to each other physical topologies includes:

star, mesh, tree, ring, pep,
hybrid etc.

feature	ster . topology	Bui	topology	mean topology
Structure				
cost	requires more than	less compared to others	High cost	higher than other topological
no of links for nodel	(n-1)	(1)		cn)(n+13/2
advanto	easy to add another comp. if a note Pails, system manages	good for small networks it needed	high speed atat transper server not needed to control	· fault tolerance · guarenteed communication.
djad vant	node fails, system fails may have high cost.	hard to troubleth got adding devices slow down network	· network impacted if one nadel shut down · more expensive	. lot of the cabling . maint almance



Teacher's Signature

		(X Dars; 1 1				
Differe	Difference in ad boc vs infrastructure					
based connectivity.						
character	infrastructure	ad-hoc.				
	based					
security	more security	no recurity				
,	options	-				
Range	Determined by	restricted to				
	no of AP.	range of				
		device.				
cpeed	usually faster	rlomer.				
communi	through	direct between				
caHon	access points	devices				
	n a sand					
	Ω Ω					
How	How was the experimet performed:					
	explained step by step the way we connect					
Explain	ed step by step the w	IAN OR CICCO				
	packet tracer. Then We implemented the					
11)	k and in ilmulation					
	•					
ppu from one wired node to one wirestelly connected node. The connected						
	the device in					
11	The Course of					
	real mode. Next part was to do the arrignment					
in rea	in real. We connected our Laptop to our					



mobile network and plaget he mobile.
The packets were captured in wireshark and analysed.

troubleshooting:

The ping command do not get response.

This issue was solved by checking that
both devices were connected to each other.

and the ping sips was correct.

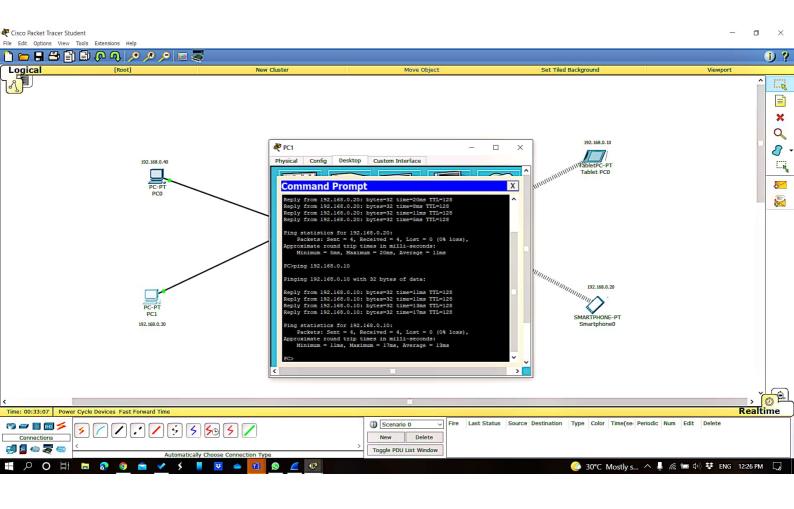
The issue was solved by starting wireshark.

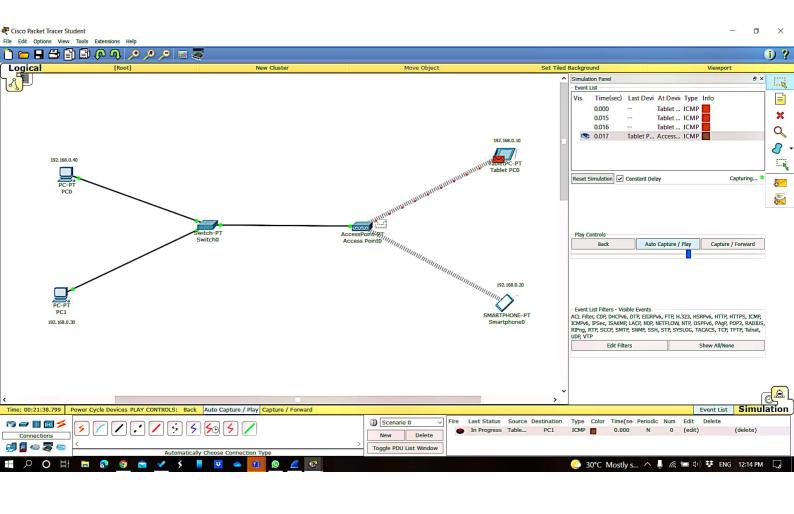
The packages

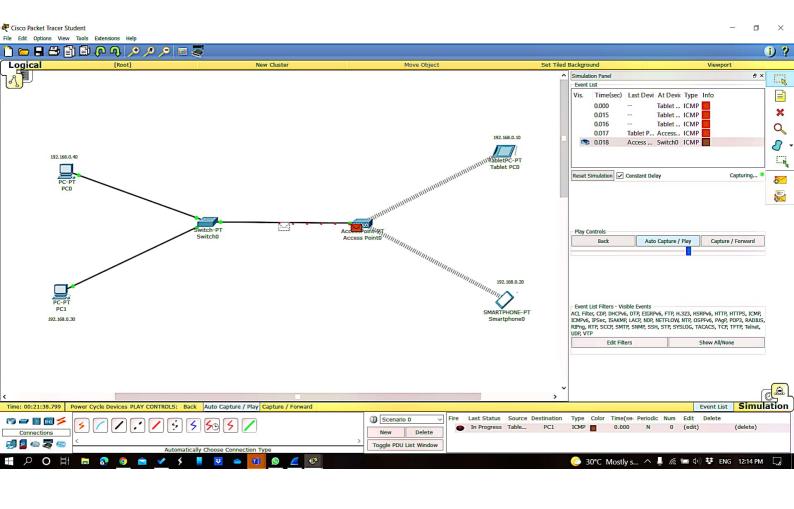
the packages

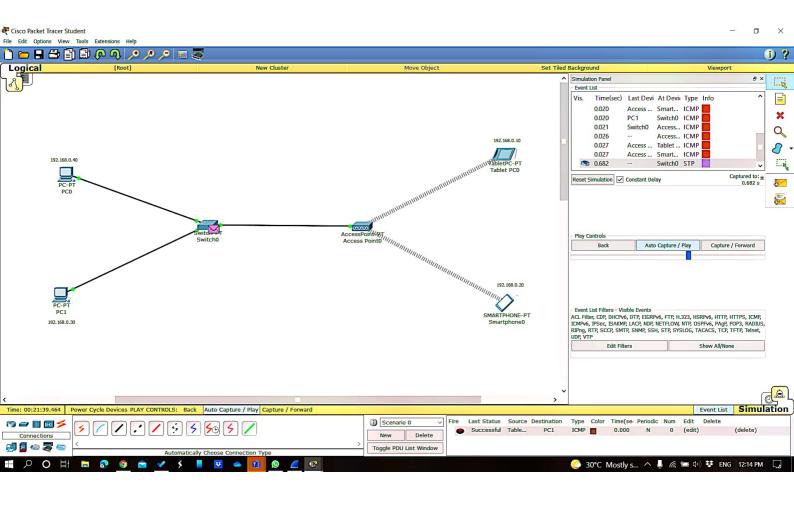
Conclusion

The wired-wire of LAN setup was implemented successifully both simulation and real time. The packets were captured in wireshark.









I ic	mp					
No.	Time	Source	Destination	Protocol	Length Info	
7	1616 9.949740	192.168.43.233	25.60.143.2	ICMP	74 Echo (ping) request	id=0x0001, seq=1/256, ttl=64 (reply in 1618)
4	1618 9.952094	25.60.143.2	192.168.43.233	ICMP	74 Echo (ping) reply	id=0x0001, seq=1/256, ttl=64 (request in 1616)
	1652 10.415817	192.168.43.233	25.60.143.2	ICMP	74 Echo (ping) request	id=0x0001, seq=2/512, ttl=64 (reply in 1653)
	1653 10.418457	25.60.143.2	192.168.43.233	ICMP	74 Echo (ping) reply	id=0x0001, seq=2/512, ttl=64 (request in 1652)
	1834 11.423753	192.168.43.233	25.60.143.2	ICMP	74 Echo (ping) request	id=0x0001, seq=3/768, ttl=64 (reply in 1835)
	1835 11.425943	25.60.143.2	192.168.43.233	ICMP	74 Echo (ping) reply	id=0x0001, seq=3/768, ttl=64 (request in 1834)
	1921 12.433483	192.168.43.233	25.60.143.2	ICMP	74 Echo (ping) request	id=0x0001, seq=4/1024, ttl=64 (reply in 1923)
L	1923 12.435825	25.60.143.2	192.168.43.233	ICMP	74 Echo (ping) reply	id=0x0001, seq=4/1024, ttl=64 (request in 1921)