

NAME: P. Karsibalan ROLL NO 220701121

	ROLL NO	220 10112		
S.No.	Date	Title	Page No.	Teacher's Sign/ Remarks
1	16/7/24	study of various retwork command		8
2	23/7/24	Study of Network Cables. Experiments of CISCO POCKET TRACER CRIMULATION HOOLS). Setup and Configure a LAN CLOCAL Acua metupoet) Misings a surtech and Extremet Cables in Morol Lale.		8
3	30/1124	Tracer comulation tools).		8
4	06 8 24	Chocal seus network) Mongy		9
		in your lab.		0
	or the same			
Palaniappa				

02											
23/7/24		Pratical and it propries to									
	AIM: Brudy of different types of network cables.										
	a understand different types of network cable. Different type of cables used in networking are:										
1. unshield Tweisted paser (UTP) cable 2. shield Tweisted paser (STP) cable. 3. Coase al cable. 4. Fibre opticable.											
	cable Type	category	Maximum Data Teansmission	Adplentage Disadvantage	Applicationluse						
		category3	in pie	· cheaper in cost.	10 Base-T Ether and						
	The second second	rategory 5	м До 100 ИЫЗ	· Easy to metall as they have a smaller ownall diameter.	Past Ethernet origabit Ethernet						
	4	lategory 5 c	196P3	Disadvantages. Noru puone ADCEMI) Electromagnetic. interference and nosse.							
	STP	category 6, box	lootbps.	Advantages. • Shielded. • Faster than UTP • Less succesptible to noise and interference.	bigalist Ethernet 1061 Ethernet (ATM) wordely used data Centrus.						
	SSTI	Cakegory 7	LOGIBPS	Disadvantages. • Expensive. • bouter installation effort.	origabit telhunit 1061 telhunit C100m).						

Advantages. Speed of signal · High bardwidth Rotb is boom. Immune to interfered Coaxial 10-100 MbPS Rb4-59 Television cable · Low Low bandwidth RO1-11 network · versatile. High Speed Disadvantager:internet connection · Limited Disadvintage . Are is bulky. wheeld between a steering the int adrecing ins. Advantages . · papiners distance of fibre · High speed A sel blug to sold mode od: Ids · High bardwidth optice cable 100616PS High security. re a around Fibru Multi mode Long distance. optice 100 meters. the de cable Disadoantage Strate 16 Shirlds. · Expensive 15 cm of able willed · Requires skilled Jack leave a going motallers b) Make your over Ethernet cross over cable 1 straight cables-Tools and pacets needed. • Ethernet Cablingi CATTE is confied for ejigabit supposed, but CATT cablingi movels as well Just own a shouter distances. · A cerimping Tool. This is an all-in-one networking tool shaped to push down the pins in the plugs and stein and cut the shielding off the cables. Shouter destances. and steep of plugs.
Two RJ45 plugs. · Optoral Tiso plug shills. and how who spell fine Algo: dest, pres te will elight in to week, wheel a all the the the sound assolved to the the state of the you stainful will see much Muldery

K-over cable. Steraight them cable TX+1 TX-2 C TX-2 C)2 RX-)3 RX+ **37X**+ RY43 PX+3 74 · 4 C 34 1 4 CH)5 5 175 1150 16 RX-RX-1 RX-6 7 70 75 Here you can compare different princouls between a steeright they and x-over cable The Teransmit and Receive fins. straight through network cable: both sides should be A cerossorem cable: one side A, one side B Step 1: To Start Conversation of the device, larger by threshing Shirlds and the cable. Step 2: Next, Stelly approximately 1.5 cm of cable sheilding from both sids. The complete this task. Step 3: After you will reed to untargle the wereus, there should be four a troisted paiers ? Referencings beach to the sheet, awarge them from top to bottom. one end Should be in arrangement A and other in B. Step4: once the order is correct bunch them toejother in a line, and if there are any of stick out than others, ship them back to create on even level. The difficult aspect is placing these into the RJAT plugs weathout messing up the order . to do so, hold the plug with the clip side facing away ferom you and have the gold pins facing toward you as. Steps: Newt, push the cable englotin. The notch stend of plug needs to be Just over cable if isn't means that you sterpped off too much shieldings

Step 6: After the wires are decurely sitting inside the plug, insent it Ento the company tools Step 7: Lastly, exploot for the other and using diagram and push down. CAO make a cerossoreur cables) I using diagram A (Ao make a stuasoph Aherough cable). Student observation: 1) what is the difference between ceroes cable and Steraryt theough cables are used to connect the devices that operate at different legter out the Sterarght cable? network model where as ceross cover cables rave utilisied to link devices operating and same layou. 2) notich type of cables as used to connect two PC? Exhernet cerossover cable. 3 Notich Aype cable is used to connect a monton Sweltch to your PC? steraight therough cable. 4) Find out the category of trousted paier cable used in your lab to connect pc to the network socket? network socket? RS-45 (UTP). Devite down your understanding, challenges faced and output escived while making a troisted pair revois 1 sterright cable? 23 protect to cut the cable. Thus, the different types of network cables are studied and connected successfully

Becolded by Ball Twosted pains with color cooled plastic insulation. denductory souther secut UTP outer Jocket Turbited parou with color cold plate insulation Pary shield overall shill. outer Jocket STP SSTP.

Brisid Foiluld densor 7 Konductory

Dielectric

Tocht

Coaxial cable.

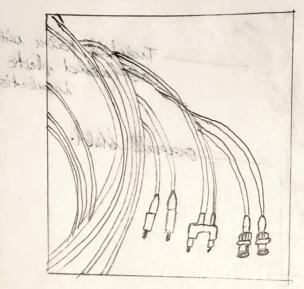


Figure optics rabb.

Mary skulle

enter Taket