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4.	618124	Experiments & CISCO PACKET TRACER (simulation tooks Setup and configure a LAN using a switch and Ethornel calle		8
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:02 :23/07/24 Aim different lypes of network Skudy 96 cables. as understand the different type of network cable Application/ advantages/ Marimum cable category data transmi *oisadvantages* we. Type 10 BOSR -T Advantages category 10 bps *cheaper in test Foot ethernol, UTP upto 100 * Easy to install origabit Ethannel category MbPS as they have a Fask category IOIDPS smaller overall 5C diameter Disadvantages * More grone to (EHI) Flectrom -agnetic interference and noise Advantages category origabit, etherne STP 10 CribPS 6,60 * Shielded 100 Ethernet x Faster than (BBm) UTP widely wed in category SSTP 1007bPS * Less suscepti data centres to noise & interberence Disadvantages rigabit * Expensive Ethernet * Greater 100 ethernol installation C100m effort

Practical-02

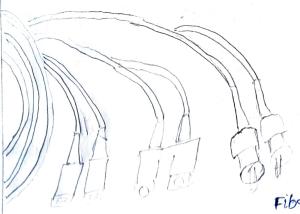
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Dake

Advantages is 500m, belovisi * High bandwidth RG1-6 10-100 coaxial network, high RG1-59 MOPS * Immune to cable speed internet RG111 interperence connection. * LOW LOS bandwidth x versatile Disadvantages * Limited distance X COSE * Size is bulky Advantages Fibre Single x Marinum mode optics * High spred LOOGIBR multi distance of * High bandwidth cable mode Biltre optics *High security cable is around *Long distance. 100 metres Disadvantages * Engensive & Requires Skilled installers Paris Everall sheld outes outer Sackel Jacket STP

b) Habe your own Ethernet cross-over calle! Straight cable Tools and yours reeded & Elhornot calling CATSe is certified for gigalit support, but CATS calling works as well, just over shorter distances * A orimping stool. This is an all in one networking tool shaped to push down the pins in the plug and strip and cut the shielding off the calles * TWO RJ45 yolugg * Optional two young shields. straight from cable x-918 6086 BX+ TX+1 一 TRX+RX+元 57× Difference belower , 553000 called straight sille Breided shield outes Dielectrac

coarnial coste



Fibra oxstical calle

Student Observation

- 1) Straight cable has same wiring on the loth ends and connect different types of devices, whereas oros cable has different wiring on both ends and connect similar devices
- 2) cross cable
 - 3) Straight calle
 - 4) unshielded buisted pair
 - 5 Cheating network cable involves arranging the wires in a specific order and their transmission between different connected devices

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Thus the connection of wires and network calles are observed and studied