

Department of Electronics and Telecommunication

Engineering

Semester	T.E. Semester VI – EXTC Engineering
Subject	Computer Communication Network (CCN)
Laboratory Teacher:	Prof. Beena R Ballal

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Grade and Subject Teacher's Signature	

Experiment	06
Number	To not us not used, using using a not using loss devices using CICCO made thereon
Experiment Title	To set up network using wired and wireless devices using CISCO packet tracer
Aim	To set up a network using wired and wireless devices using CISCO packet tracer Establish transmission of packets from one node to the other node and verify its successful transmission
Resources / Apparatus Required	Hardware: Internet Connected PC Software: Cisco Packet Tracer
Theory:	Packet Tracer is a cross-platform visual simulation program designed by Cisco Systems that allows users to create network topologies and imitate modern computer networks. The software allows users to simulate the configuration of Cisco routers and switches using a simulated command line interface. Packet Tracer makes use of a drag and drop user interface, allowing users to add and remove simulated network devices as they see fit.
	Various devices can be connected in Cisco packet tracer using Access point(AP). The AP needs to be configured with name and WEP Key and all the devices should be connected using these credentials for wireless access
Procedure :	 Open cisco packet tracer. Select the required end devices such as PC, Laptop, router Select the required wireless devices such as Laptop and smartphone etc Connect Network using automatic connections Configure the AP giving the name and WEP key Configure the router and the devices for wired and wireless connections Observe that the entire network has turned from red to green and also the wireless connection has been established Choose the packet from tools and select its source and destination. Click Start simulation. Packet will be transmitted from source to destination and response will be shown as successful





