Cycle II

LAB 17:

Aim: Tool Exploration -Wireshark.

-	Page
	Wire Shark
٥	Wireshork, a howerful open-vource network protocol onalyzer, or parket analyzer.
	It is wed for network troubleshooting, analysis of two and communications protocol development and education.
	It is used to track parkets so that each one is filtered to meet our specific needs. It is also used by network security engineers to examine security problems.
	Functionality of Wireshork:
•	It lets the uses put network interfole controller that support promiscous mode into that mode, so they can see all the froffic visible on that interface.
	Parket capture and filtering: Primary function of wireshark hies in Capture network packets from various interfaces. Its flexible filtering options enable uses to capture specific types of 7 rolfie based as protoc , source / destination addresses and even keywo within packet paylods.
0	Real time Analysis: Wiresthark's real time monitoring capability is invaluable for observing ongoing network activities
	1 July wig william mark.

This foanture helps in detecting subden traffic spines, runnind protocol behaviour, and unauthorized network usage Protocol Analysis: It secrepts encrypted protocols offering in sights into secure communication method · Packet Reconstruction: Allows ressembling of fragmented packets · Satisfical Information: Presents statistical analysis of captured data. · lolor - coded visualization: Employs color-coded fachets to indicate various aspects such as Customizable Display: This tool offers a customizable interface where users can choose which fills to sisplay of how to arrange them Proceduse. I In the 1st window select ethernet Fitter TCP or any required protocol. Click on it , new window opens. 4) Dropdown: Tronguission Control Protocol

	Scr Port: 62148, Dst Port: 443, Sey: 2, Ack: 65, Len: 6
	Ack: 65 / Len :0
	This is avoilable in the previous willow in the left split of screen.
5)	This is avoilable in the
	in the left split of steer.
	Clicking on dropdown of it, Clicking on any of them highlights its Counterport in the right split side of screen
6	Clicking on aropaour of founterport int
	them highlights its to
	right split state of scale
	in the state of th
7	An and, type > ipconfig
	RES
	Result:
	Windows 19 configuration
	Connection - Specific DN & suffix:
	Connection-Specific DNS suffix: Link-local IPVS Address : fe80::he78:f699
	D-Cl 25 2 2 3 C · 10 3
	1 NA Address :: 10.129.283
	IPV4 Address:: 10.129.283 Subnet Mosk: 255.255.0.0
*	Default-Gateway 10, 127-0-11