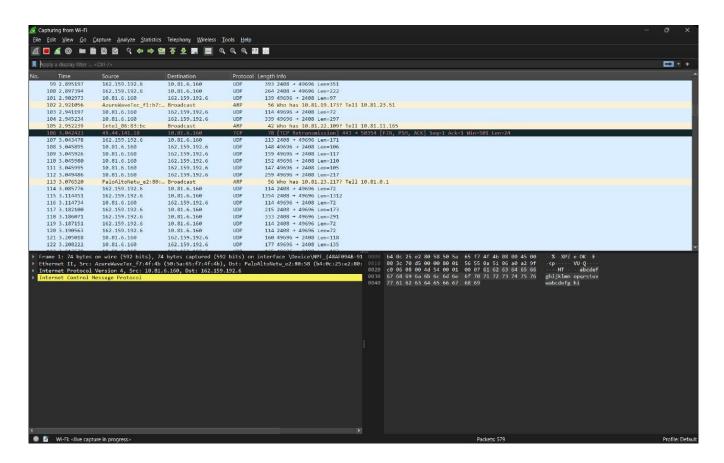
Marwadi University Marwadi Chandarana Group	Marwadi University Faculty of Engineering and Technology Department of Information and Communication Technology	
Subject: Computer Networks (01CT0503) Experiment No: 11	Aim: Monitor the live/real time network and analyze the concepts of various networking protocols like IP, TCP, UDP, etc. Date: Enrolment No: 92200133021	
Experiment No: 11	Date:	Enronnent No: 92200155021

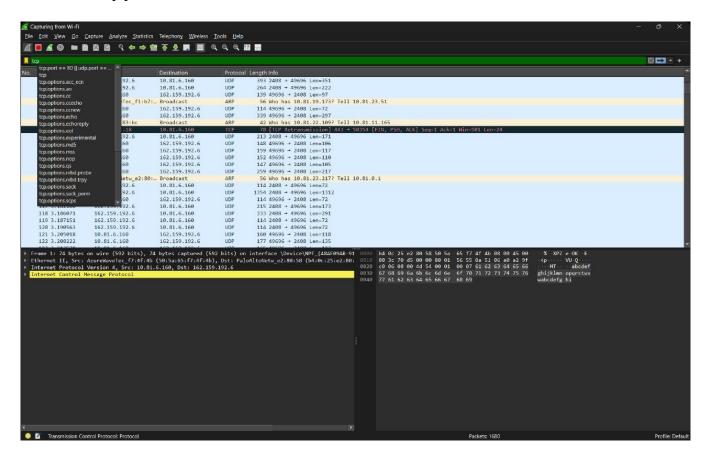
Aim: Monitor the live/real time network and analyze the concepts of various networking protocols like IP, TCP, UDP, etc.



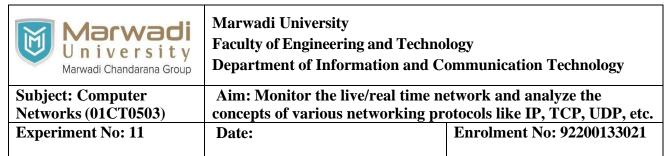
Firstly open wireshark and select any Wi-Fi by which you will capture all the data packets in the pc.

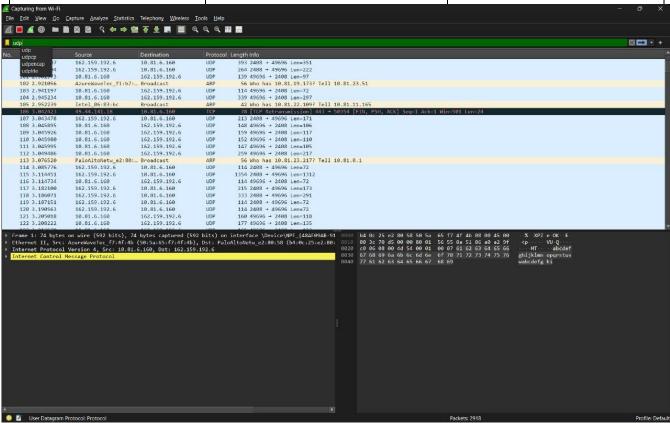
Marwadi University Marwadi Chandarana Group	Marwadi University Faculty of Engineering and Technology Department of Information and Communication Technology	
Subject: Computer Networks (01CT0503) Experiment No: 11	Aim: Monitor the live/real time network and analyze the concepts of various networking protocols like IP, TCP, UDP, etc. Date: Enrolment No: 92200133021	
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filter search tcp protocol and observe.

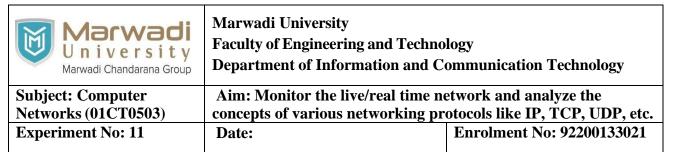


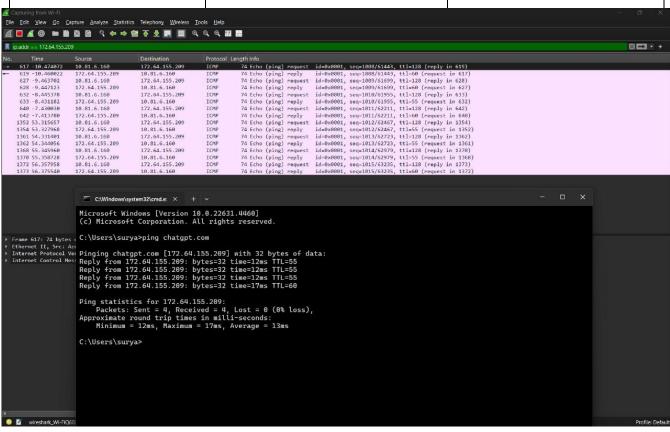
filter udp protocol and observe.

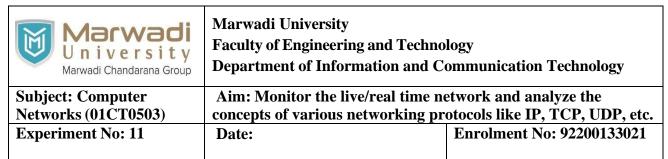


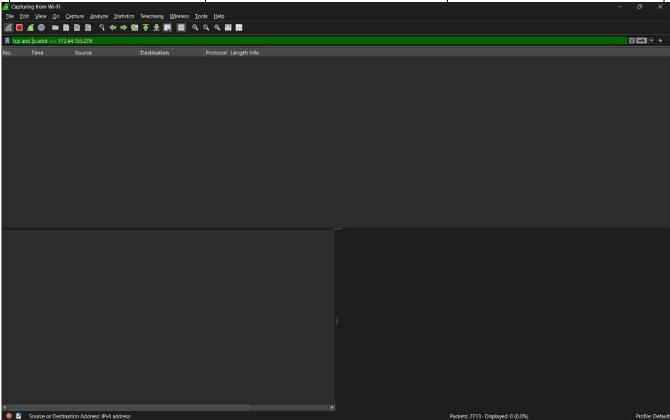


open command prompt and give any website address and provide that ip address in wireshark to filter out that website.









This concludes that website does not have top protocol.

Conclusion:

During my experiment monitoring live network traffic with Wireshark, I explored various protocols and learned all their functionalities. TCP ensures reliable communication by establishing connections and confirming data delivery, Unlike TCP, UDP does not establish a connection or verify data delivery. Instead, it sends packets, called datagrams, directly to the recipient without waiting for acknowledgments or retransmissions. Observing IP packets highlighted how data efficiently navigates networks to reach its destination. Also, I discovered that ChatGPT doesn't use TCP but relies on protocols optimized for speed and scalability, which fits its need to handle large amounts of data quickly and efficiently.