

## Wireshark Assignment-1

Start packet capture in wireshark application and then open your web browser and type in an URL of website of your choice ([www.iiitg.ac.in](http://www.iiitg.ac.in), [www.google.co.in](http://www.google.co.in), etc). Answer the following questions, based on your experimentation:

- 1) List the different protocols that appear in the protocol column in the unfiltered packet-listing window in wireshark GUI
- 2) How long did it take from when the HTTP GET message was sent until the HTTP OK reply was received for the webpage you visited in your web browser? (By default, the value of the Time column in the packetlisting window is the amount of time, in seconds, since Wireshark tracing began. To display the Time field in time-of-day format, select the Wireshark View pull down menu, then select Time Display Format, then select Time-of-day.)
- 3) What is the Internet (IP) address of the URL you visited and what is the Internet address of your computer?
- 4) Print the two HTTP messages displayed in wireshark GUI after you had visited above URL through your web browser. To do so, select Print from the Wireshark *File* command menu, and select "Selected Packet Only" and "Print as displayed" and then click OK.

**Prepare answers to above 4 questions. During the lab session, you are evaluated on your familiarity with wireshark and asked to demonstrate how you arrived at answers.**