

# **Computer Network Lab**

## **(B.Tech. - CS/IT) 5<sup>th</sup> SEM**

### **LAB Assignment (Week # 0)**

The goal of this first lab was primarily to introduce you to Wireshark. The following questions will demonstrate that you've been able to get Wireshark up and running, and have explored some of its capabilities. Answer the following questions, based on your Wireshark experimentation:

1. Get acquainted with Wireshark. Read the manual properly and learn about different operational aspects of Wireshark.
2. On the basis of your understanding about Wireshark, answer the following:
  - a. List 3 different protocols that appear in the protocol column in the unfiltered packet-listing.
  - b. How long did it take from when the HTTP GET message was sent until the HTTP OK reply was received? (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.)
  - c. What is the Internet address of the *gaia.cs.umass.edu* ? What is the Internet address of your computer?
  - d. Print the two HTTP messages (GET and OK) referred to in 2(b) above. To do so, select Print from the Wireshark File command menu, and select the "Selected Packet Only" and "Print as displayed" radial buttons, and then click OK

**Note:** In every LAB session you will be evaluated in last one hour based on what you have done. So try to learn as much as possible. Your learning will be reflected in your grades.