Assignment 11

1. Design (T) and implement (L) the following applications.

   1.1. App1: A client-server application.

   1.2. App2: A peer-to-peer application.

2. Instructions:

   - Each group can have maximum 4 members. You can decide the group members and applications. Each group has to prepare the presentation slides and 2-5 page report (preferably in Latex) having the following details for Application 1 and Application 2 (separately).

     – Topic name (The first thing in your slides, report, and video presentation)
     – Group members (Names and roll numbers) - (Second thing in your slides, report, and video presentation)
     – Application details, examples, flowchart, pseudocode, diagrams, etc.
     – Implement the applications and submit the code (complete programs).
     – Analyze the performance of your applications.
     – Conclusion

   - You have to upload a 10-15 Min Video presentation about each of the above applications (total two). In each video presentation, at the beginning, ** all students ** have to mention their admission numbers and names, so that I can identify them while grading. However, each group can choose only one/two group member(s) to present the work (whom you think has better communication and presentation skills). Nevertheless, at the end of the presentation, each member has to clearly mention his/her contribution (presentation slides, report, video presentation, etc.)

   - Only one student from the group should upload the assignment at Google classroom.

   Note: The assessment will be based on the novelty of the applications (how different the application is from applications submitted by other groups or popular internet applications.), difficulty level of the application, how elegantly you have written the code, slides, and report, and demonstrated the applications (in videos). [Note: Once

all students submit the assignment, we will upload all submitted assignments at Google classroom so that you can learn from others.]