

# **CSE-331 Computer Networks**

## **Term Project (Socket Programming)**

The goal is students implement/ build a network application (moderate to advance level) using the introductory concepts already practiced in lab. Applications are required to be tested, demonstrated and evaluated. A brief overview / survey is the part of every project.

### **Instructions:**

- Maximum two members per group are allowed to work on a project.
- No duplication of project ideas. Duplications will be resolved on FCFS bases.
- All groups are required to approve their ideas by submitting their proposals, once approved students can progress their working on idea.

### **Project Proposal must contain:**

- Project title
- Group members introduction and experience in socket programming (if any)
- Abstract
- Objectives
- Features
- One page introduction of idea

### **Project Specifications Document must contain:**

- Abstract
- Objectives
- Features
- Detailed theoretically aspects of project
- Methodology (flow charts)
- Coding (basic sketch of the code in C language / detailed pseudo code)

### **Final Report**

- Abstract
- Objectives
- Features
- Detailed theoretically aspects of project
- Methodology (flow charts)
- Coding (code in C language)
- Testing (may include screen shots of working code)
- Conclusion
- Future work

Submissions	Deadlines	Marks (25 max.)
Project Proposal	10-May-2021	2
Topic approval feedback from teacher	12-May-2021	-
Project Specification Document	19-May-2021	3
Final documented software and report	4-June-2021	14
Demo, Presentation and Viva	Will be announced later.	6

**Note:** All the submissions will be made on Google Classroom by only one group member. While submitting any deliverable, add registrations nos. of both group members in subject.

### **Example Ideas for Projects**

<http://www.sourcecodesworld.com/project-bank/>

<http://www.projectideas.co.in/resources/Java-project-list.pdf>