📘 Final Project Instructions

Software Engineering Lab (CSE-333)

Dear Students,
This guideline will help you prepare, organize, and submit your **Final Project** for the **Software Engineering Lab** course. Please read everything carefully and follow all instructions strictly. Your submission will be evaluated based on **Project Repository (GitHub)**, **Documentation (PDF)**, **Presentation**, and **Viva Exam**.

📦 1. Project Submission (via GitHub)

Each group must maintain a **GitHub repository** for their project. This is **mandatory**.

✅ Your repository must include:

- The full **project source code**.
- The **Database** (SQL file or NoSQL export as applicable).
- A well-written **README.md** file containing:
    - Project title and short description
    - Team member names and roles
    - Setup and installation instructions
    - (Optional) Live demo link

📝 2. Project Documentation (PDF)

You must prepare a clean and structured **PDF report** (one per group). Also, upload the PDF to your GitHub repository.

📄 Your report should include the following sections:

1. Introduction

- Overview of the project idea and purpose

2. Background of the Project

- Problem statement and motivation

3. Objectives

- What your project aims to achieve

4. Scope

- What is covered in the project and what is not

5. Literature Review / Related Work

- Existing systems, apps, or tools related to your project
- Any relevant theories, models, or references

6. Methodology

- Technologies, tools, or platforms used
- Development phases or workflow
- Design models (UML diagrams, flowcharts, etc.)

7. Implementation / Development

- How the project was built
- Screenshots or sample code snippets
- System architecture or database schema (if applicable)

8. Results / Analysis

- Final output or what was achieved

9. Challenges Faced

- Difficulties during development
- How you resolved them (or why you couldn't)

10. Conclusion

- Key takeaways and summary of accomplishments

11. Future Scope *(Optional)*

- Possible improvements or new features

🎤 3. Project Presentation

Each group will give a **short presentation** in class.

- ⏱️ **Time Limit:** 2–5 minutes per group
- 🎯 **Goal:** Clearly introduce your project, explain its key parts, and show what you built
- 📽️ Use a **presentation slide** (PowerPoint or Google Slides)
- 👥 **All group members must participate** in presenting

✅ Slide Suggestions:

- Project name and idea summary
- Features and functionality
- Tools and technologies used
- Screenshots or diagram (if possible)
- Challenges and what you learned

🎙️ 4. Viva Exam

Each student will attend a **short viva** (oral exam) on the project.

- ⏱️ **Time:** 2–3 minutes per student
- ❓ Questions will be based on:
  - Your specific contribution to the project
  - Technologies/tools you worked with
  - Logic or features you implemented
  - Your overall understanding of the project

📋 Final Submission Checklist

Before you submit and present, make sure your group has completed the following:

✅ GitHub Repository with the complete project and database
✅ `README.md` file with clear setup and usage instructions
✅ Project Documentation in PDF format
✅ Presentation Slide (PDF or PPT format)
✅ All team members are prepared for the viva exam

🖥️ Important (Project Setup Requirement):
Each group must bring at least one laptop with the project already set up and ready to run.

If your group does not have a laptop, you must set up your project on a lab PC at least 30 minutes before the presentation and viva session.