**Software Engineering Lab, 2025**

**Assignment on Version Control Using Git**

**Assignment-4**

1. **Inventory Management System with Git**

a) Design a system to manage products for a store. Customers can make purchases, and sellers can update the list of products.

b) Use Git for version control, and maintain a purchase history of items.

1. **Marks Management System with Git**

a) Develop a Student Marks Management System using Git.

b) In this system, a central database stores students' marks for different subjects in a tabular format.

c) Subject teachers can update marks as needed before the final submission.

d) Teachers can view student names and roll numbers but only edit the marks for their subject.

e) When all teachers have completed their updates, the database is sorted by total marks and made available for students to view.

**3. Task Management CLI Tool:**

a) Develop a command-line task management tool where users can add, edit, and complete tasks.

b) Implement version control to track task changes and provide a task history.

Suggested resources:

[How to Get Started with Version Control](https://www.freecodecamp.org/news/get-started-with-version-control-and-git/)

[Using Git Getting Started - About Version Control](https://git-scm.com/book/en/v2/Getting-Started-About-Version-Control)