Program: BS

Fall 2023	**Assignment 3**

ToCS

November 14, 2023

Total Marks: (25)
Time Allowed: (90 minutes)

Assignment No. 3

The goal is of this assignment is to provide hands-on experience of setting up a basic but functional Integration of SCM using Jenkins and GIT for automated building and reporting of code changes.

Assignment Tasks:

1. Create a Jenkins job to build and test your project.

2. Configure the job to build on a schedule (e.g. every 5 mins).

3. Configure GIT plugin in Jenkins.

4. Add your GIT repository URL.

5. Test building on schedule.

6. Configure the job to build on GIT pushes.

7. Commit and push code to trigger automatic build.

8. **Add email notifications for build failures.**

9. **Configure Jenkins to email on failed builds**   [15 Marks]

Viva:

The instructor will conduct a brief viva session in the next class to evaluate students' understanding of the concepts and functionality of their setup. Assignments will be graded accordingly.