

| **Branch/Semester** | BSc. IT (Cloud & Application Development) / II |
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| **Subject Name:** | Version Control |
| **Subject Code:** | 05CA0206 |
| **Assignment:** | Assignment No. 3 (Git on Server and stashing) |
| **Date:** | 7th February 2025 |
| **Faculty Name:** | Prof. Abhishek Chauhan |

| **1.** | Protocols, getting git on server, generating our SSH public key, Setting up the Server, Git Daemon |
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| **2.** | Smart HTTP, Git Web, GitLab, Distributed Workflows, contributing to a project, Maintaining projects |
| **3.** | Git diff, Viewing working directory changes, Visualizing diffs with GUI |
| **4.** | Git Stash & Pop, Checking out old commits, undoing changes exercise |
| **5.** | Install Git on your server and configure it for remote access. |
| **6.** | Generate an SSH key pair (ssh-keygen) and add the public key to your server for secure authentication. |
| **7.** | Create a Git repository on the server and configure permissions for users. |
| **8.** | Configure Git with Smart HTTP for easier repository access over HTTP. |
| **9.** | Use git diff to view changes between commits, branches, or files. And Use git status to see changes in the working directory. |
| **10.** | Use git stash to temporarily stash changes and git stash pop to apply them back. |
| **11.** | Use git checkout commit hash to go back to a specific commit and review its state |