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| **Branch/Semester** | BSc. IT (Cloud & Application Development) / II |
| **Subject Name:** | Version Control |
| **Subject Code:** | 05CA0206 |
| **Assignment:** | Assignment No. 4 (GitHub and Git Tools) |
| **Date:** |  |
| **Faculty Name:** | Prof. Abhishek Chauhan |

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| **1.** | Account setup and Configuration, contributing to a project, Maintaining a project |
| **2.** | Managing an organization, Scripting GitHub, Revision selection |
| **3.** | Interactive staging, Git pull and merge conflicts, git fetch, Rebasing |
| **4.** | Create a Git account on platforms like GitHub and Configure Git with your username and email |
| **5.** | Fork a project on GitHub, clone it to your local machine, make changes, stage them, commit, push to your fork and create a pull request. |
| **6.** | Create and manage organizations on GitHub or other Git hosting platforms. Set permissions, manage teams, and oversee repository access. |
| **7.** | Using commands like git log, git show, and git diff to review commit history, view changes in specific commits, and select revisions for merging or reverting. |
| **8.** | Use git add -p for interactive staging, allowing you to selectively stage changes within files. |
| **9.** | Pull changes from remote (git pull) and resolve merge conflicts using a merge tool (git merge tool) or manual editing. Commit the resolved conflicts. |