

| **Branch/Semester** | BSc. IT (Cloud & Application Development) / II |
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| **Subject Name:** | Version Control |
| **Subject Code:** | 05CA0206 |
| **Assignment:** | Assignment No. 1 (Intro to Version Control and Git) |
| **Date:** | 6th January 2025 |
| **Faculty Name:** | Prof. Abhishek Chauhan |

| **1.** | What is version control system, Types of version control, A short History on Git, what is Git? Why do we need Git |
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| **2.** | The Command Line, Installing Git, Configuring Git, First time setup |
| **3.** | Git Repository, Recording changes in a repository |
| **4.** | Viewing the commit history, Working with remotes, Tags in Git, Git aliases |
| **5.** | Installing Git on different platforms (Windows, macOS, Linux). |
| **6.** | Configuring Git settings: username, email, default editor, etc. First-time setup and initial configuration steps |
| **7.** | Creating a new Git repository. Recording changes in a repository: staging, committing, and amending changes. |
| **8.** | Creating a new Git repository and viewing the commit history: log, diff, show commands. |