**Experiment No 2**

**Aim : To understand Version Control System, Git installation & Github account.**

**Lab Outcome :**

**LO1**: To understand the fundamentals of DevOps engineering and be fully proficient with DevOps terminologies, concepts, benefits, and deployment options to meet your busines requirements.

**LO2** : To obtain complete knowledge of the "version control system" to effectively track changes augmented with Git and Github.

**Theory :**

**What is Version Control?**

Version control, also known as source control, is the practice of tracking and managing changes to software code. Version control systems are software tools that help software teams manage changes to source code over time. As development environments have accelerated, version control systems help software teams work faster and smarter. They are especially useful for DevOps teams since they help them to reduce development time and increase successful deployments.

Version control software keeps track of every modification to the code in a special kind of database. If a mistake is made, developers can turn back the clock and compare earlier versions of the code to help fix the mistake while minimizing disruption to all team members.

**Conclusion :**

Thus we have understood about control version, installation of git and creation of github account.