

LAB 1: IMPLEMENTATION OF GIT VCS in AGILE SOFTWARE DEVELOPMENT

OBJECTIVE:

TO UNDERSTAND FUNDAMENTAL AND GET ON HAND EXPERIENCE OF GIT VERSION CONTROL SYSTEM.

TOOLS USED:

Git -the main tool for version control

GitHub - to host our repositories online

Command Line / Terminal - to run Git commands

VS Code - as our code editor

OBSERVATION:

1. Initialize a Git Repository

```
mkdir Agile-Lab // file name
```

```
cd Agile-Lab
```

```
git init
```

2. Add and Commit a File

```
echo "# My First Git Project" > README.md
```

```
git add README.md
```

```
git commit -m "Initial commit"
```

3. Push to GitHub

```
git remote add origin https://github.com/ankit-exe/Agile-Lab.git  
git push -u origin master
```

4. Clone a Repository

```
git clone https://github.com/ankit-exe/AnotherProject.git
```

5. Create and Merge Branches

```
git checkout -b feature-login  
# Made some changes...  
git add .  
git commit -m "Added login feature"  
git checkout master  
git merge feature-login
```

CONCLUSION:

This lab taught me how to implement git for version control of the system and how developer manage code in real world projects.

NAME : Dipesh Thapa
Roll no:21