**Git topics:**

1. **Introduction**
2. **What is VersionControl system (VCS) and types of VCS**

* **Local Version Control System**
* **Centralized Version Control System**
* **Distributed Version Control System (github, bitbucket….)**

1. **Git Software installation**
2. **Git Project Architecture**
3. **Git commands or Operations**

* **git help**
* **git init**
* **git config**
* **git add**
* **git status**
* **git rm**
* **git restore**
* **git commit**
* **git log**
* **git clone**
* **git push**
* **git pull**
* **git branch**
* **git checkout**
* **git fetch**
* **git stash**
* **git merge**
* **git diff**
* **git revert**
* **git mv**
* **git show**
* **git revert**

1. **Git commands execution**

* **Using commandline(gitbash, gitcmd, gitgui)**
* **Using IDE’s like Eclipse/STC(SpringToolSuite)/Intellij**

1. **GitHub account creation**

* **Public repository creation**
* **Private repository creation**

1. **Git folder structure**
2. **Git Branching Strategy**

* **Developer branch**
* **Master branch**
* **Release branch**
* **Hofix branch**
* **Fork branch**

1. **Project Review Process (PR Process), code reviews, code merge**
2. **Realtime problems with git and how to fix them**
3. **FAQ’s**