



GIT TRAINING COURSE SYLLABUS



WWW.SLAINSTITUTE.COM | +91 88707 67784

Git Training Course Syllabus

SLA is one of its kind Institute which not only equips you in technology skills but will train you for free in Aptitude skills, Soft Skills, Mock Interviews, Interview Skills, Work ethics and Corporate Values that you need to know to get into IT Industry. Our training is given by expert real time development experienced trainers and we enable each and every student of ours to do their own real time projects by the end of the program.

We do not buy you a job by bribing companies to secure a place in IT, instead we equip you with the skills needed to get employed in IT and will support you with unlimited number of relevant interview opportunities so that your career in IT becomes assured. Our support will be there until you get placed in an IT Company as that's our mission too.

If you want to just have an IT certification, you can do your course anywhere. If you aspire to get into an IT Job, then you should choose SLA. With SLA, your IT dream will definitely come into reality.

Please go through the long list of our student reviews / offer letters @ www.joinsla.com to get to know more about us.

Introduction

- ❖ What is a Version Control System (VCS)?
- ❖ Distributed vs Non-distributed VCS
- ❖ What is Git and where did it come from?
- ❖ Alternatives to Git
- ❖ Cloud-based solutions (Github, Gitlab, BitBucket etc)

Installation and Configuration

- ❖ Obtaining Git
- ❖ Installing Git
- ❖ Common configuration options
- ❖ GUI tools

Key Terminology

- ❖ Clone
- ❖ Working Tree
- ❖ Checkout
- ❖ Staging area
- ❖ Add
- ❖ Commit
- ❖ Push
- ❖ Pull
- ❖ Stash

Git - Local Repository Actions

- ❖ Creating a repository (git init)
- ❖ Checking status (git status)
- ❖ Adding files to a repository (git add)
- ❖ Committing files (git commit)
- ❖ Removing staged files (git reset)
- ❖ Removing committed files (git rm)
- ❖ Checking logs (git log)

Git - Remote Repository Actions

- ❖ Creating a remote repository (git init)
- ❖ Cloning repositories (git clone)
- ❖ Updating the remote repository from the local (git push)
- ❖ Updating the local repository from the remote (git pull)

Tagging in Git

- ❖ What are Git Tags?
- ❖ Listing tags
- ❖ Lightweight tags
- ❖ Displaying tag details (tag show)
- ❖ Annotated tags
- ❖ Checking out tags
- ❖ Pushing tags
- ❖ Pulling tags

Branching in Git

- ❖ What is a branch
- ❖ A note about andlt;HEADandgt;
- ❖ Listing branches
- ❖ Create new branch
- ❖ Checkout branch
- ❖ Pushing branches
- ❖ Pulling branches

Merging in Git

- ❖ Fetching Changes (git fetch)
- ❖ Rebasing (git rebase)
- ❖ Git Pull

Git Workflows

- ❖ Different ways of using Git
- ❖ Centralised
- ❖ Feature Branch
- ❖ Gitflow Workflow
- ❖ Forking Workflow

Git - Stashing Changes

- ❖ What is Stashing?
- ❖ Using Stash
- ❖ Creating a branch from a Stash

Advanced Repository Actions

- ❖ Removing untracked files (git clean)
- ❖ Remove staged changes (git reset)
- ❖ Revert a commit (git revert)
- ❖ Checkout a previous commit (git checkout)

Advanced Branching and Merging

- ❖ Deleting a Branch
- ❖ Fast forward merge
- ❖ Three way merge
- ❖ Resolving merge conflicts
- ❖ Cherry-Picking (git cherry-pick)

Advanced Git Configuration

- ❖ Aliases
- ❖ Submodules
- ❖ Patches
- ❖ Hooks

Are you happy with our course curriculum? Then why you delay? Take your mobile phone and ring us quickly on +91 88707 67784.