



Course title: Introduction to version control with Git

Course Prerequisite: None

Course duration: 2 training days

Course coordinator: INTELL VISION

Course overview

This course provides introduction to version control using git. Students will learn the fundamentals of git, including creating repositories, managing branches and tracking changes using common git workflows.

Students will also learn how to Add, change and delete file in a repository; view a log of previous commits, compare versions of a file, undo changes to a file and ignore certain files in a repository.

Course objective

- By the end of this course students will be able to
- Explain how to initialize a repository and commit changes to it
- Describe best practices for making commits in git
- Assess the effect of making changes to document in a repository
- Analyse the git repository's index of changes
- Analyse git features for ignoring files and directories

Course content

1. Introduction to git

- What is Git?
- Installing git
- Basic git configuration
- Working with git
- Basic git commands
- Important git commands

2. Module discussion forum

3. Module survey(optional)

References

Books:

- "Learn Version Control with Git" by Tobias Günther
- "Git Pocket Guide" by Richard E. Silverman
- "Pro Git" by Scott Chacon and Ben Straub, it is available for free online at <https://git-scm.com/book/en/v2>.