

Workshop on git version control system and GitHub

Time and Venue

Date: 06/12/21

Time: 04:00 pm – 06:00 pm

Venue: CompScE '94 Hall

Batch: 1 (Thrid Years)

Session: 1

Speakers & Organizers

1. Livin Nector (Speaker)
2. Muthu Pandi (Organizer)
3. Gokulnath (Organizer)

Aim

To enlighten students with the benefits of using git version control system in software development and using a cloud service for hosting git repositories in order to collaborate in software projects.

Topics covered during the Session

1. Introduction to git version control system
2. Setting up git in windows and Linux systems
3. Integrating git with VSCode
4. Creating your first repository – git init
5. Basic version control commands: log, add, commit, reset
6. .gitignore file
7. Working with Branches: branch, checkout, merge, rebase
8. Keeping the working tree clean
9. Working with Remotes: fetch, push, pull, cloning
10. Introduction to GitHub
11. Collaborating with GitHub
12. Hosting a static website with GitHub

During the Workshop

On the course of the workshop the installation steps and setup procedure for git in windows is shown with the projector. The attendees were made to try out the same in their own systems at the time of the event. Visual Studio Code extensions used to enhance the git workflow were discussed and demonstrated. A sample website was created to demonstrate the various git workflows. A git repository for the test website was created and hosted in GitHub. Updating local changes and updating remote changes in the repository were demonstrated. The sample website was hosted in the internet using the GitHub Pages. A promotion on the “Students Developer Pack” offered by GitHub is given to students.

Images taken at the event



