



BITS Pilani

Pilani | Dubai | Goa | Hyderabad

Work Integrated Learning Program

M. Tech. Software Engineering

Introduction to DevOps – SEZG514

Assignment – 1

Name – Hemant Tiwari

BITS Student ID – 2022MT93184

Semester – 1st FY 2022-2023

Assignment 1

GitHub and Git Workflow

The objective of this assignment is to have hands on experience of Git Workflow. You are required to create or fork a repo on Git and use Git bash on the desktop for completing the tasks. You are required to create one manager role for the repository and others as collaborators. The manager will act as a reviewer and decision maker.

Checklist of the tasks that are required to be performed:

1. Add team members as collaborators and assign them appropriate rights (if you are performing individual then create one dummy account for the task)
2. Create a branch(development/production/feature)
3. Edit files or create new files followed by commit
4. Clone the repo and Create pull-request
5. While collaborating your work, showcase how conflicts are resolved
6. Create tag such as open issue, or feature-added
7. Do a force push/commit and then later reset the changes
8. Stage “development branch to production branch”
9. Showcase how features are released in versions (merging production to master branch)
10. Also, state importance of Readme and gitignore files and their usage while working in a distributed environment.

Bonus point: If Pull Requests are linked with e-mail to the manager who finally approves the changes.

I have added my submission to the Google drive link shared.

Direct link to my assignment submission is –

https://drive.google.com/drive/folders/1NUiR1WtOb4JjgFXpD7qu5NXUZCqMF2-?usp=share_link

I have **compromised** and **increased the speed** to **reduce the file size**.

In case there is any issue with the video file, please contact me on my BITS Mail id – 2022mt93184@wilp.bits-pilani.ac.in

Thank you