**B.Tech. CSE splz in DevOps**

**Applied DevOps**

**Class Assignment 1 (Module 1)**

**Instructions:**

* **Submit the assignment in a Word file with screenshots in the provided link (**[**https://forms.gle/tG3wdA2Cp79yGiTj9**](https://forms.gle/tG3wdA2Cp79yGiTj9)**)**
* **Mention the group member names and SAP IDs at the top of the assignment sheet and the group leads SAP ID and Name in the form while submitting the assignment.**
* **MM 10**
* **Submission deadline: 19th January 2024**

1. Three Developers are working in Aperture Technology Co. Their company wants a better Source Code Management System because the earlier tool tended to save redundant code. Multiple Developers working simultaneously on the same block of code also caused problems. You are Mike, and your manager has given you the task of moving the company’s code base to Git and Github.

•Create a local git repository and move the entire code base to it

•Create a new branch for a new feature you want to add to the application

•Merge back the created branch with the master branch

•Create a remote repository

•Push the local repository to the company’s remote repository

1. Hooli Co. has put Harry and Kane to implement a new set of features in their feature software. Both started working separately, making their copies of the same source code. Now, it has become difficult for them to track the changes they’ve made in the original code, and they are finding it difficult to merge their code together.

•Create two separate branches from the master

•Make changes in the same function of the source code in both branches

•Merge branch1 into the master

•Try and merge branch2 into the master (merge conflict should arise)

•Install a merge tool of your choice and resolve the merge conflict using git merge tool command