**GIT**

**Introduction to Git?**

**What is Git?**

Git is an open-source distributed version control system (DVCS) which records changes made to the files laying emphasis on speed, data integrity and distributed non-linear work flows.

**Git command: -**

git\_\_ version (it shows the which git version we are using in windows)

git\_\_help (it shows all commands) (for all tools)

**THE GIT FILE WORK FLOW: -**

**\***The remote repository is the server where all the collaborators upload changes

Made to the files.

\*“Local repository” is users copy the version Data base.

\*The users access all the files through local repository and then push the changes.

\*“Work space” is active directory

\*The users modifies existing files and creates new files in the space. Git tracks

these changes compared to your local repository.

\*“stage” is a place where all the modified files marked to be committed are placed.

\* “clone” command creates a copy of an existing remote repository inside the local repository.

\*“push” command pushes all the changes made in the local repository to the remote repository.

\*“Fetch” command collects the changes made in the remote repository and copies them to the local repository. This command does not affect our workspace.

\* Pull like fetch, gets all the changes from the remote repository and copies them to the local repository.

\* Pull merges those changes to the current working directory.

**. GIT FOLDER:**

-- when we clone the entry repository very first time we have the two objects . gitfolder and README.MD(OPTIONAL)

**HOW WILL YOU CHANGE THE DEFAULT BRANCH NAME: -**

The default branch is considered the “base” branch in your repository against which all push requests and code commits are automatically made, unless you specify a different branch.

**HOW TO DELETE THE REPOSITORY?**

Once you delete the repository there is no going back. Please be certain.

**HOW WE INVITE THE USERS TO GITHUB REPOSITORY?**

General setting Access Collaboration

**GIT COMMANDS: -**

First, we have clone and next manipulate and next go to working are and to the staging are and commit to the local repository and next push to the remote repository.