**GIT**

Git is a fast, scalable, distributed revision control system

Git stores copy of data on local machine rather than on centralized server

**GitHub for Windows**

htps://windows.github.com or GIT SCM

**Configure Git with user name and email address**

$ git config --global user.name "[name]"

$ git config --global user.email "[email address]"

**To get help**

git help <verb>

git <verb> --help

**To initialize**

git init inside the folder you will get .git file created

**To remove initialize**

Rm –rf .git

**To ignore file**

Create .gitignore file

In windows it should be like – create gitignore.txt add the rule and then shift hold open with cmd and run

Ren gitignore.txt .gitignore.

**Download Repository from Github**

git clone [url]

**Lists all new or modified files to be commited**

Git status

**To add files**

Git add \* or git add -A or git add “filename” to add everything

**To remove from git add**

Git reset file name or git reset to remove all

**To commit**

git commit –m “typeyourmessagehere” ( m is for message )

**To check logs**

Git log

**To check changes in logs**

Git show number

**To remove from version control**

Git rm –r –cached

**To remove files**

git rm [file] Deletes the file from the working directory and stages the deletion

**remote directory information**

git remote –v

**Pull and push to repo**

Git pull origin master

Git push origin master

**To create branch and to switch branch**

Git branch <name of the branch > to create new branch

Git checkout <name of the branch > get into the branch

Git branch <to show all the branch> show all branches and highlight the current branch

**Now to commit changes to master branch**

Git push –u origin <branchname> (this will merge both the branch)

Git checkout master

Git pull origin master

Git merge <branchname>

Git push origin master

**To delete a branch**

Git branch –merged ( check everything is merged)

Git branch –d <branchname>

Git branch –a

Git push origin –-delete <branchname>