Project SCM

Submitted by:-   Submitted to:-

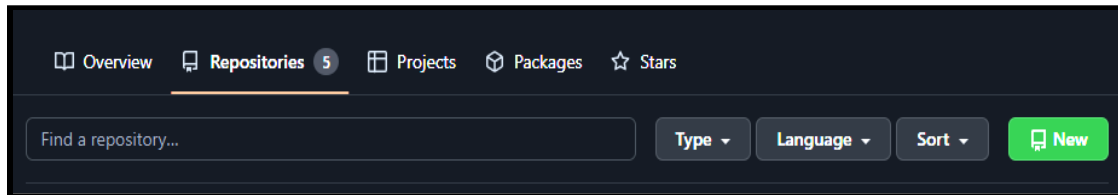**Amarbir Singh**   **Dr.Monit Kapoor**

2110990159

Create a distributed Repository and add members in project team
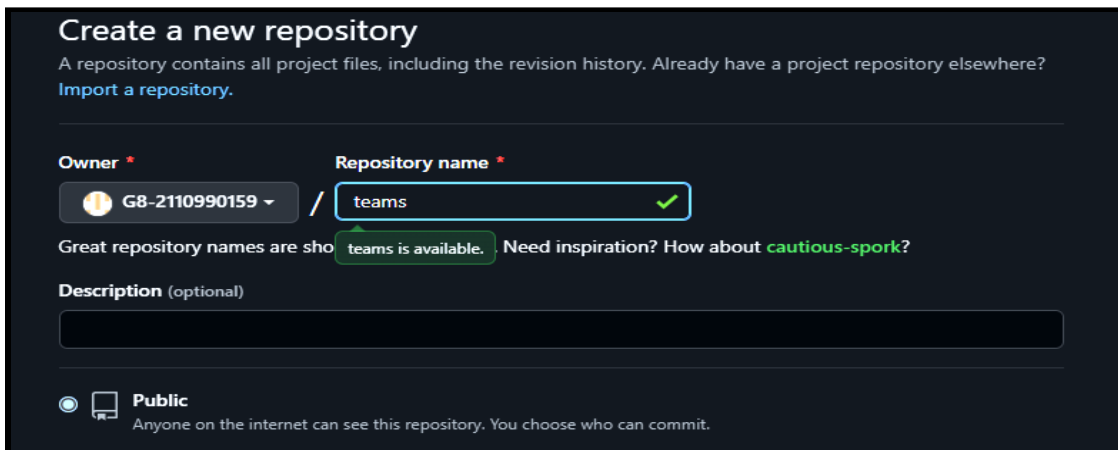

YOU HAVE TO MAKE A REPOSITORY IN GITHUB.
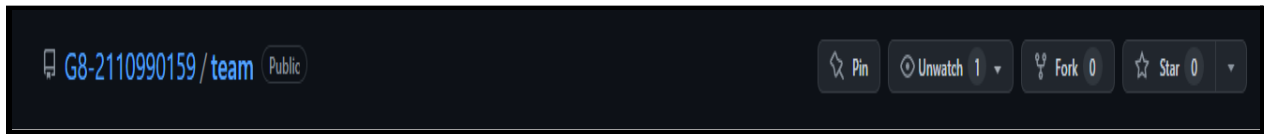
Step1) CREATING REPOSITORY IN GITHUB

The page looks like as: -

By clicking on new you are able to make a new repository.

Write the repository name and click on next.

Your GITHUB Repository has been created.

Step2) GIT ADDING REMOTE BRANCH

Git stores a branch as a reference to a commit, and a branch represents the tip of a series of commits.

You Can do it by typing: -
1.git branch -M main

The page looks like as: -

```
amar@LAPTOP-KBVEPJO1 MINGW64 /d/g (master)
$ git branch -M main

amar@LAPTOP-KBVEPJO1 MINGW64 /d/g (main)
```

Step3) GIT ADDING REMOTE ORIGIN

Is a Git repository that's hosted on the Internet
You Can do it by typing: -
1.git remote add origin

The page looks like as: -

```
amar@LAPTOP-KBVEPJO1 MINGW64 /d/g (master)
$ git remote add origin https://github.com/Group08-Chitkara-University
/2110990159.git
```

Step4) GIT CLONE

The git clone command is used to upload local repository content to a remote repository.

You Can do it by typing: -
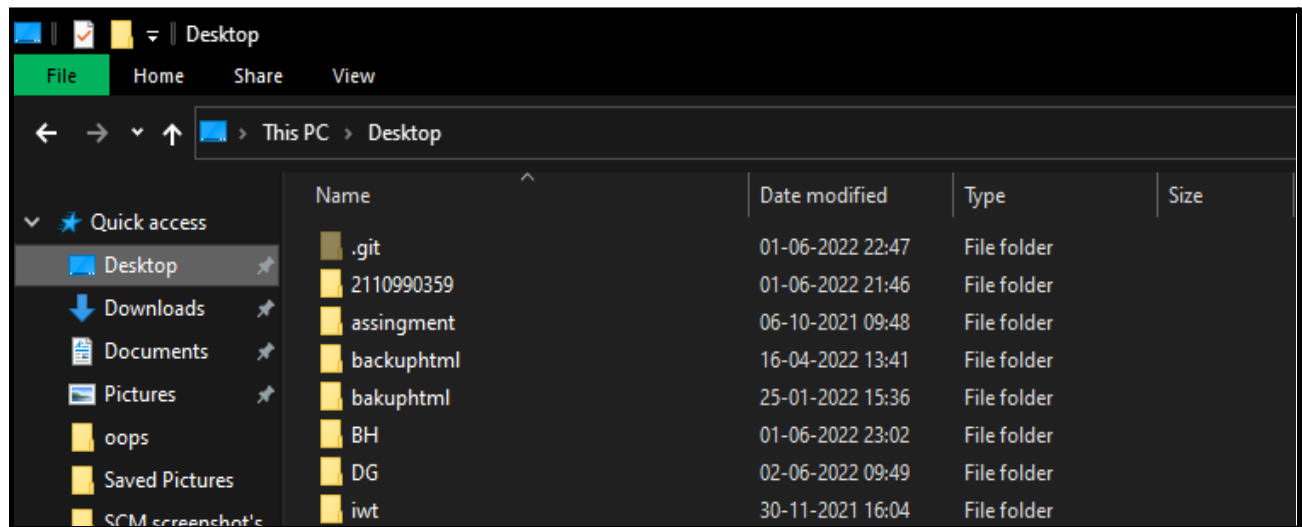1.git clone url

The page looks like as: -

```
amar@LAPTOP-KBVEPJO1 MINGW64 ~/Desktop (main)
$ git clone https://github.com/G8-2110990159/BH
Cloning into 'BH'...
remote: Enumerating objects: 6, done.
remote: Counting objects: 100% (6/6), done.
remote: Compressing objects: 100% (2/2), done.
remote: Total 6 (delta 0), reused 6 (delta 0), pack-reused 0
Receiving objects: 100% (6/6), done.
```

```
amar@LAPTOP-KBVEPJO1 MINGW64 ~/Desktop (main)
$ git clone https://github.com/G8-2110990159/DG
Cloning into 'DG'...
remote: Enumerating objects: 6, done.
remote: Counting objects: 100% (6/6), done.
remote: Compressing objects: 100% (3/3), done.
remote: Total 6 (delta 1), reused 6 (delta 1), pack-reused 0
Receiving objects: 100% (6/6), done.
Resolving deltas: 100% (1/1), done.
```
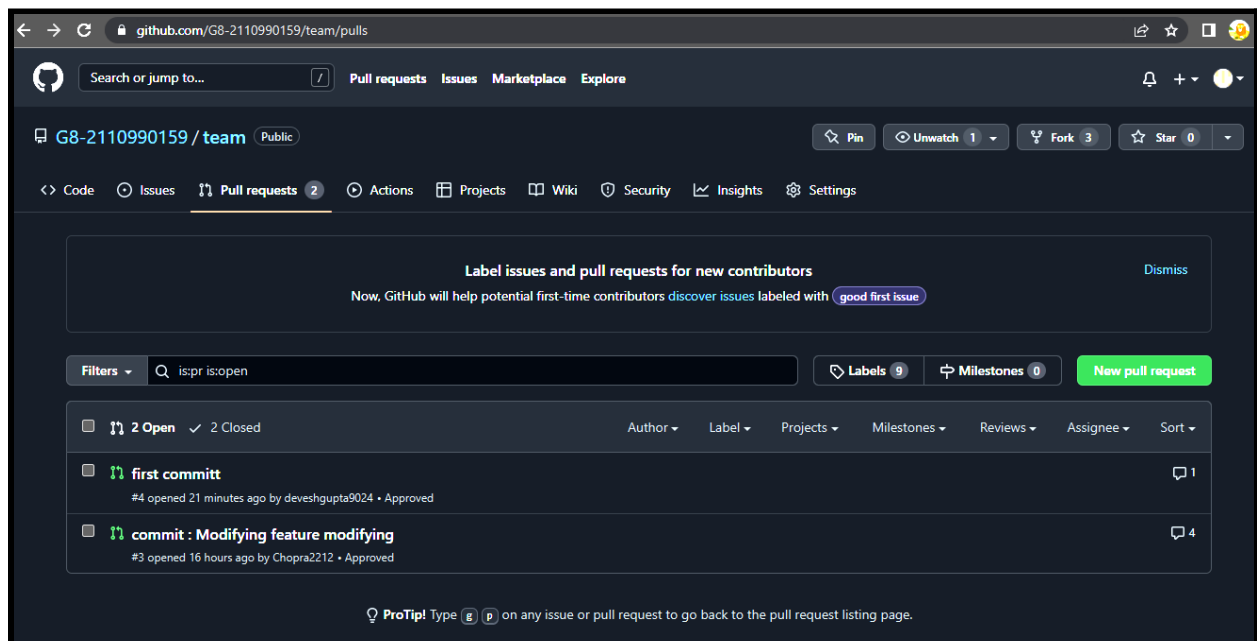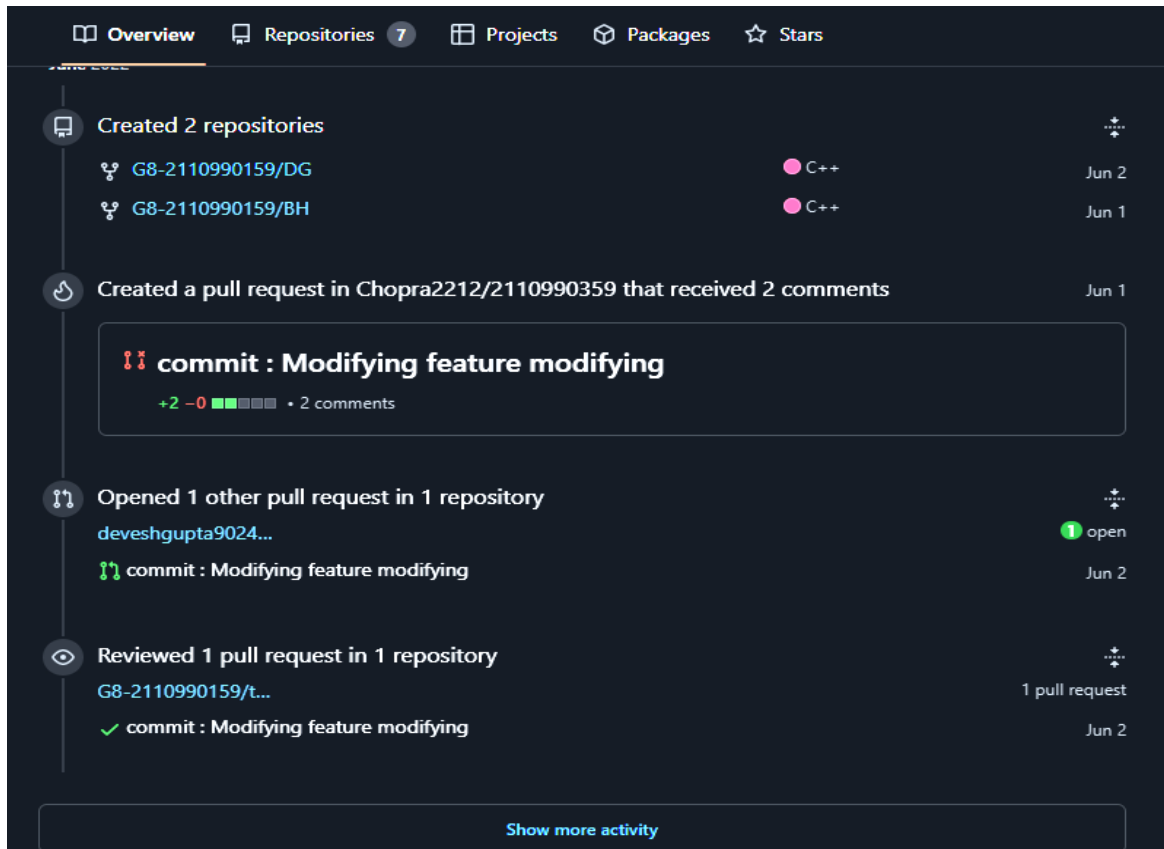
1.Document in your system

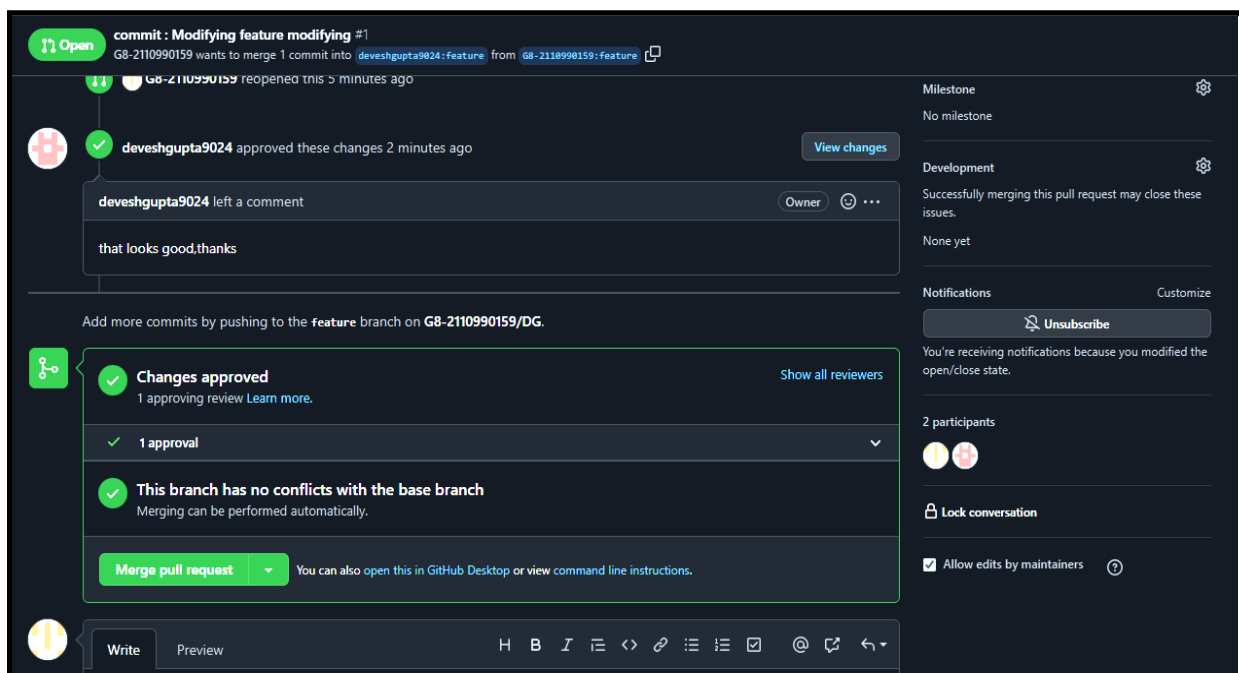The page looks like as: -

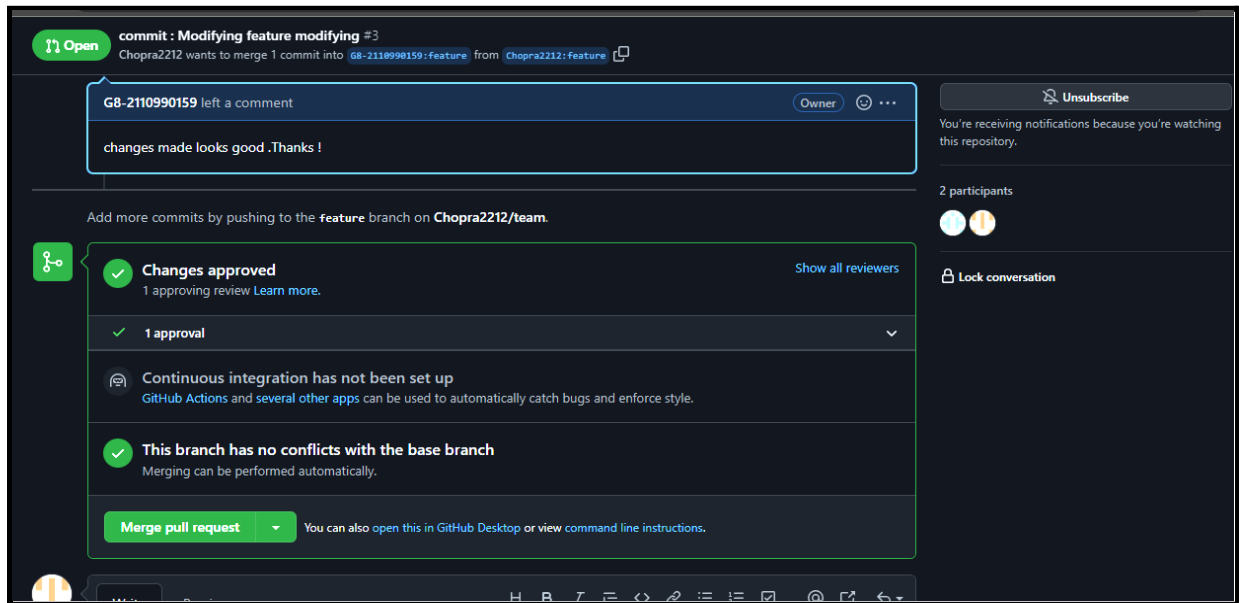# 2. Document in your GITHUB Repository

The page looks like as: -

Step of working with members :

1.

2.

Showing steps on git Bash :

1.

```
amar@LAPTOP-KBVEPJO1 MINGW64 ~/Desktop/BH (main)
$ git checkout feature
Switched to a new branch 'feature'
branch 'feature' set up to track 'origin/feature'.

amar@LAPTOP-KBVEPJO1 MINGW64 ~/Desktop/BH (feature)
$ git log --oneline
71f65db (HEAD -> feature, origin/main, origin/feature, origin/HEAD, main) First commit
bcaa662 First commit

amar@LAPTOP-KBVEPJO1 MINGW64 ~/Desktop/BH (feature)
$ ls
hello.cpp

amar@LAPTOP-KBVEPJO1 MINGW64 ~/Desktop/BH (feature)
$ vi hello.cpp

amar@LAPTOP-KBVEPJO1 MINGW64 ~/Desktop/BH (feature)
$ git add.
git: 'add.' is not a git command. See 'git --help'.

The most similar command is
        add

amar@LAPTOP-KBVEPJO1 MINGW64 ~/Desktop/BH (feature)
$ git add .

amar@LAPTOP-KBVEPJO1 MINGW64 ~/Desktop/BH (feature)
$ git commit -m " commit : Modifying feature modifying"
[feature ec5f060]  commit : Modifying feature modifying
 1 file changed, 2 insertions(+)

amar@LAPTOP-KBVEPJO1 MINGW64 ~/Desktop/BH (feature)
$ git push -u origin feature
Enumerating objects: 5, done.
Counting objects: 100% (5/5), done.
Delta compression using up to 4 threads
Compressing objects: 100% (2/2), done.
Writing objects: 100% (3/3), 332 bytes | 110.00 KiB/s, done.
Total 3 (delta 0), reused 0 (delta 0), pack-reused 0
To https://github.com/G8-2110990159/BH
   71f65db..ec5f060  feature -> feature
branch 'feature' set up to track 'origin/feature'.
```

2.

```
'BE-CSE Batch 2021.lnk'*                          c++.html
 BH/                                              c.html
 CodeBlocks.lnk*                                  d.html
'Coding Ninjas.lnk'*                              desktop.ini
 DG/                                              hello.cpp
'Edmodo Site.lnk'*                                iwt/
'G8 _2110990159_Amarbir Singh_SCM_1.2.pdf'        javascript.html
 G8_2110990159.pdf                                'jquery (AWD) Navjeet Ma'\''am'
'LAB MANUAL PH111.pdf'                            jupyter.lnk*
 Mail.lnk*                                        'master class'/
 Notepad++.lnk*                                   'new 1 .html'
 README.md                                        'new 1 .html.bak'
 WPS/                                             p.html
'WhatsApp Desktop.lnk'*                           'practice session'/
 Zoom.lnk*                                        project.html
 a.html                                           q.html
 about.html

amar@LAPTOP-KBVEPJO1 MINGW64 ~/Desktop (main)
$ cd DG/

amar@LAPTOP-KBVEPJO1 MINGW64 ~/Desktop/DG (master)
$ git branch
* master

amar@LAPTOP-KBVEPJO1 MINGW64 ~/Desktop/DG (master)
$ git log --oneline
4d7ae4a (HEAD -> master, origin/master, origin/feature, origin/HEAD) first commit
6716720 first commit
```

```
amar@LAPTOP-KBVEPJO1 MINGW64 ~/Desktop/DG (master)
$ git branch -a
* master
  remotes/origin/HEAD -> origin/master
  remotes/origin/feature
  remotes/origin/master

amar@LAPTOP-KBVEPJO1 MINGW64 ~/Desktop/DG (master)
$ git checkout feature
Switched to a new branch 'feature'
branch 'feature' set up to track 'origin/feature'.

amar@LAPTOP-KBVEPJO1 MINGW64 ~/Desktop/DG (feature)
$ git log --oneline
4d7ae4a (HEAD -> feature, origin/master, origin/feature, origin/HEAD, master) first commit
6716720 first commit

amar@LAPTOP-KBVEPJO1 MINGW64 ~/Desktop/DG (feature)
$ ls
primefactor.cpp

amar@LAPTOP-KBVEPJO1 MINGW64 ~/Desktop/DG (feature)
$ vi primefactor.cpp

amar@LAPTOP-KBVEPJO1 MINGW64 ~/Desktop/DG (feature)
$ git add .

amar@LAPTOP-KBVEPJO1 MINGW64 ~/Desktop/DG (feature)
$ git commit -m " commit : Modifying feature modifying "
[feature 3ed2bcb]  commit : Modifying feature modifying
 1 file changed, 5 insertions(+), 1 deletion(-)

amar@LAPTOP-KBVEPJO1 MINGW64 ~/Desktop/DG (feature)
$ git push -u origin feature
Enumerating objects: 5, done.
Counting objects: 100% (5/5), done.
Delta compression using up to 4 threads
Compressing objects: 100% (2/2), done.
Writing objects: 100% (3/3), 355 bytes | 118.00 KiB/s, done.
Total 3 (delta 1), reused 0 (delta 0), pack-reused 0
remote: Resolving deltas: 100% (1/1), completed with 1 local object.
To https://github.com/G8-2110990159/DG
   4d7ae4a..3ed2bcb  feature -> feature
branch 'feature' set up to track 'origin/feature'.
```
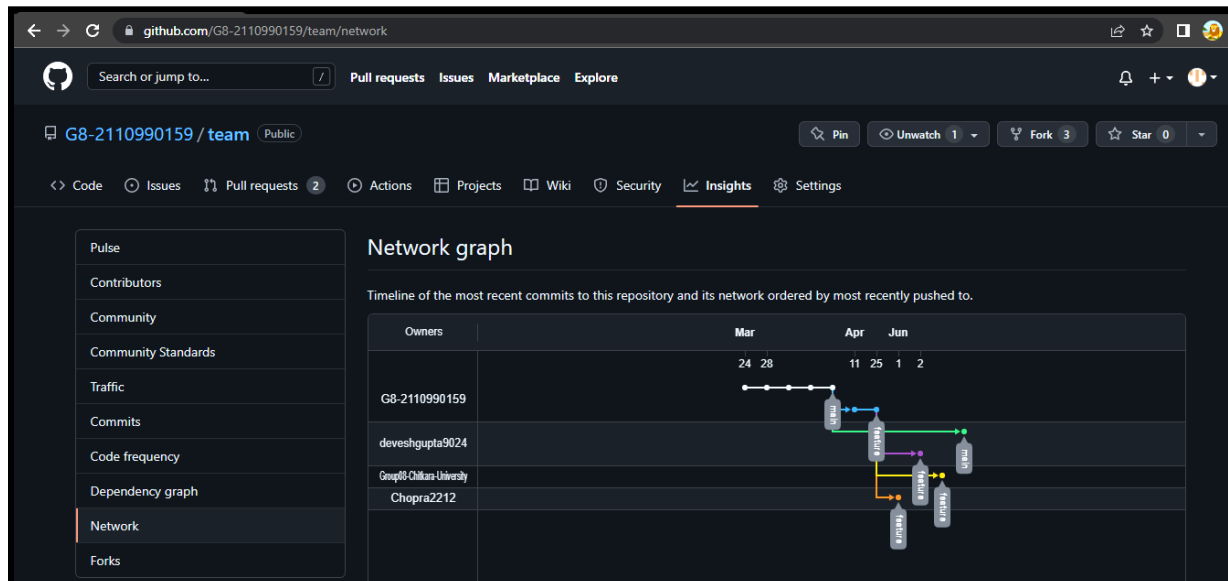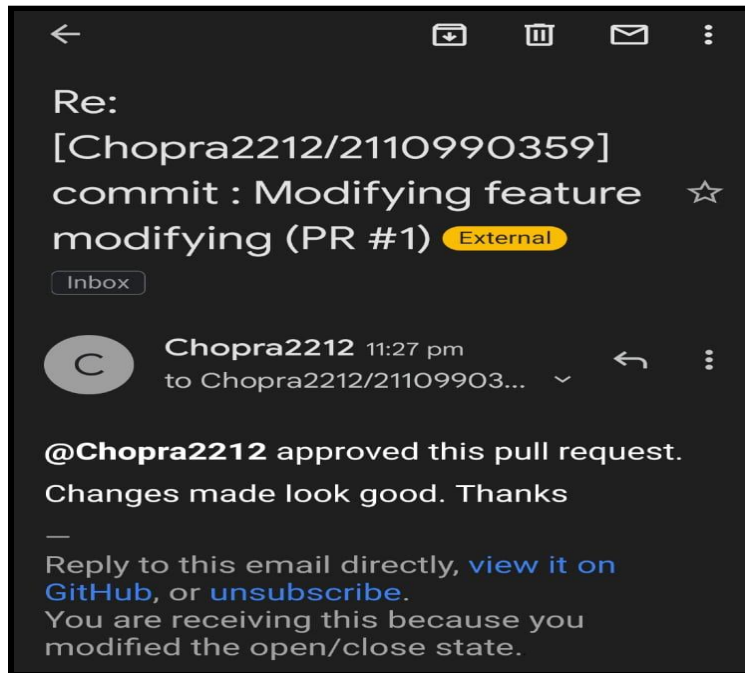
Adding network Graphs:

Approve mail recived :

1.

2.