**Git Bash Commands For CA1 – IoT (GitBash to GitHub Repo)**

**Git Bash Commands**

* In Git Bash, go to the directory you want to pull down the GitHub Repo by using **cd**
* In that directory do **git clone https://github.com/D00219161/FarmIoTCA1.git**
* Then **cd** into repo folder
* In repo folder do **git status** (main should be beside location)
* Do **git pull** - pull down any changes
* Then in repo folder do **git init** (create a .git file)
* Do **git status** after
* Any changes made to the **.txt** file do **git add FARM\_IoT\_CA1.txt** - Staging Area
* Then **git status** - should see .txt file in green - NOT COMMITTED YET
* **git log** – user logged on
* **git remote** - see if you are on origin location
* **git commit** - create a commit message
* Create a branch of main to add individual commit per person in team.
* **git branch** - lists the branches
* **git branch (New name of branch) i.e. git branch new\_file**
* **git checkout** (New name of branch **i.e. new\_file**) to move to new branch off main – now on new branch
* On new branch do - **git add** (file name you have made changes to) - staging area
* Then **git commit**
* Then **git log**
* Then **git push –u origin** (New Branch **i.e. new\_file**) - Might need to log in to git hub
* In git bash new branch is still there
* Do **git branch** - see what branch you are on
* Then do **git branch main** - brings you back to main branch
* Then do **git pull origin main**
* To delete a branch of git bash, do **git branch -d** (branch name **i.e. new\_file**)

**On Git Hub Repo FarmIoTCA1 – Someone else in group needs to do this for you**

* Then in github you will see a Compare & Pull Request - Somebody else will check your commit from new branch – to allow the merge
* If it looks okay hit the Create pull request - Then hit the Merge pull request - then confirm merge.
* Once it is merged - delete branch off github.