**MEAN Stack**

**Phase 1**

**Day 1**

**26-07-2021**

<https://github.com/Kaleakash/MEAN_Stack_TCS_July_2021_Batch.git>

MEAN Stack :

Mongo Db / MySQL Express JS Angular Framework Node JS

Phase 1

Git

HTML,CSS,JavaScript using ES5

Bootstrap

Section end and phase end projects.

Phase 2

Node JS Overview

TypeScript using ES6 features

Angular Framework

Section end and phase end projects

Phase 3

Node JS

Node JS modules http, util, fs, express js

Mongo DB database : No SQL Database

Mongodb and mongoose modules to connect the database through JavaScript (Node JS)

Socket programming

Section end and phase end projects

Phase 4

Docker

AWS Overview : EC2 and S3

Deploy the MEAN Stack project in EC2

Section end and phase end projects

Capstone project : Team 5 people

GIT :

Local Version control :

SVN:

Git is sub version control system.

Version control system that records changes on files or project or application.

Merge the two team code in one application.

Git provide local as well as remote repository (folder or directory).

**Open the terminal**

Check the git version using command as

Open the Terminal

git --version

Then create folder

Move inside a folder.

mkdir folderName

Then create file using command prompt or GUI and write some contents.

To create local git repository using command as

git init

to check the status of last command we have to use command as

git status

to add the untrack file from file system to staging area.

git add filename

git status

After this command file will move from file system to staging area.

To move file from staging area to local repository we have to run the command as

git commit –m “created first file”

create github account with your

git config --global user.email "you@example.com"git config --global user.name "Your Name"

if we do any changes in existing file or added new file or folder

Then run the command as

git status

git add .

git commit –m “commit message”

These command repeat again and again.

remote repository : github, aws(code commit), azure etc.

To push the data from local repository to remote repository we have to use the command as

git remote add origin URL

git push –u origin master/man

or

git push

or

git push –u origin HEAD

Another way to create the repository

git clone URL

if first time we want to download the data from remote repository we have to use

git clone URL

**Phase 1**

**Day 2**

**27-07-2021**

**git branch : git branch is a like pointer which hold more than one commit details.**

**Git commit : it is use to send the data from staging area to local repository is known a git commit.**

**Git staging are : it a buffer area created by git which hold the data before commit. It is a intermediate layer or memory between local system and local repository.**

**By default depending upon the version of git default branch created it may main or master**

Default master/main branch

Do some changes 🡪add/commit -🡪add/commit --🡪add/commit

A branch

Do some changes 🡪add/commit --🡪add/commit

After done all changes in user-defined if code is correct then merge user-defined branch into main/master branch else we will delete the branch.

To check default as well as user-defined branch names

git branch

To create new branch

git branch branchName

To switch from one branch to another branch

git checkout branchName

To merge user-defined branch code to current branch ie main/master

git merge user-definedBranchName

To delete user-defined branch

git branch –D branchName