**Full Stack**

**MEAN Stack**

**MERN Stack**

**MEAN Stack**

Mongo DB / MySQL

**Express Module** using JavaScript we can create web applications as well as REST full web service.

**Angular Framework**/ ReactJS

**Node JS**

**MEAN Stack**

Front end Phase 1 and Phase 2

Phase 1

SDLC Agile

Git

HTML/CSS/ Basic JavaScript

Using ES5 style

Using ES6 style

Babel

Webpack

Overview of Node JS

Phase 2

TypeScript

Angular Framework 10/11/12 etc

**Phase 3 backend**

Phase 3

Node JS

Module fs,util, url, http module

Express , REST API.

Mongo DB : Database

Mongodb as well as mongoose module.

Phase 4

Testing : jasmine, mocha, chai etc

Docker

AWS Overview, etc

Visual Studio Code

**VSCode**

**Phase 1**

**Git**

**Version Control System :** Version control system that records or history changes of files r code inside the application

3 line commit s1,

3 line commit s2,

3 line commit s3

Local version control: RCS : Revision Control System

Centralized Version control: SVN :

C1 C2 C3

Server (Repository) folder.

Distributed Version control:

C1 C2 C3

Local Rep Local Rep Local Rep

Server (Repository) folder.

Github, bitbucket, AWZ, Azure, Google Cloud, etc.

We are going to learn Distributed Version control system

Git is type of Distributed version control system.

It is open source.

**Git commands**

**git –-version**

to make local folder as a local repository we have to run command as

**git --init**: this command Is used to create the local repository. (only one time).

**git status:** last command status

**git add filename**: This command is used to add the file from local folder to git staging area.

Added

$ git status

On branch master

No commits yet

Changes to be committed:

(use "git rm --cached <file>..." to unstage)

new file: demo1.txt

Not Added

$ git status

On branch master

No commits yet

Untracked files:

(use "git add <file>..." to include in what will be committed)

demo1.txt

nothing added to commit but untracked files present (use "git add" to track)

**git add . :** all files and folder present in current directory.

**git commit -m “Message” :** This command is used to send the file from staging area to local repository.

git config –global user.email “[you@example.com](mailto:you@example.com)”

git config –global user.name “Your Name”

If you do any changes:

1. git add .
2. git status
3. git commit -m “message”

**git log:** shows how many commit we have done

Github is one of those remote repositories.

Connecting local repository with remote repository

git remote add origin URL <https://github.com/angelbenitezmd/MEAN_Stack_July_2021.git>

git remote show origin: if we want to verify local repository.

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