**Full Stack**

**MEAN Stack**

**MERN Stack**

**MEAN Stack**

**Mongo DB / MySQL**

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

**Angular Framework** / React JS

**Node JS**

**MEAN Stack**

**Front end Phase 1 and Phase 2**

Phase 1

SDLC Agile

Git

HTML/CSS/Basic JavaScript

Using ES5 style DOM, event, function

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 or 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 local repository we have to run the command as

git init : This command is use to create the local repository. (only one time).

git status : This command is use to display last command status.

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

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

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

git config --global user.email "akash300383@gmail.com"

git config --global user.name "Akash"

if we do any changes

git add .

git status

git commit –m “message”

Github is one of the remote repository

Connecting local repository with remote repository

git remote add origin URL

git push –u origin HEAD

to check remote repository URL

git remote show origin

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

connect the virtual lab

create folder

create file with data

git init

git add .

git commit –m “message”

**git branch :** git branch is like a pointer. git branch is use to keep or hold more than one commit details.

Default branch may **main** or **master**.

---🡪commit---🡪commit---🡪commit-🡪

To create user-defined branch

git branch branchName

to check all branch details.

To switch from one branch to another branch

**git checkout branchName**