WEEK-3
MERN STACK TRAINING

NODE.JS :

Node.js is an open-source server environment.

Node.js allows you to run JavaScript on the server.

EXPRESS-JS:

Express.js is a small framework that works on top of Node.js web server functionality to simplify its APIs and add helpful new features. It makes it easier to organize your application's functionality with middleware and routing. It adds helpful utilities to Node.js HTTP objects and facilitates the rendering of dynamic HTTP objects.

Use the npm init command to create a package.json file for your application. For more information on how package.json works, see Specifics of npm's package.json handling.

-npm init

Enter app.js, or whatever you want the name of the main file to be. If you want it to be index.js, hit RETURN to accept the suggested default file name.

Now install Express in the myapp directory and save it in the dependencies list. For example:

-npm i express

POSTMAN :

Postman is an API platform for building and using APIs. Postman simplifies each step of the API lifecycle and streamlines collaboration so you can create better APIs—faster.

MONGO-DB ATLAS:

MongoDB Atlas document model enables developers to store data as JSON-like objects that resembles objects in application code. With MongoDB Atlas, use the tools and languages that you prefer. Manage your clusters with MongoDB CLI for Atlas, or IaC tools like Terraform or CloudFormation

Link to create mongoDB account and download mongoDB Atlas :

MongoDB Atlas | Multi-cloud Developer Data Platform | MongoDB

MONGOOSE:

Mongoose provides a straight-forward, schema-based solution to model your application data. It includes built-in type casting, validation, query building, business logic hooks and more, out of the box.

First be sure you have MongoDB and Node.js installed. Next install Mongoose from the command line using npm: **npm install mongoose** –save or **npm i mongoose**

NODEMON :

nodemon is a tool that helps develop Node.js based applications by automatically restarting the node application when file changes in the directory are detected.

nodemon does **not** require *any* additional changes to your code or method of development. nodemon is a replacement wrapper for node. To use nodemon, replace the word node on the command line when executing your script.

Command to install nodemon :

-npm i nodemon