CodeCruise

SAIL SMOOTH IN TECH OCEAN

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MEAN Stack

Are you in the final year or a fresher, who is looking to learn s/w projects development to land a Job in IT or S/W Company?

Learn s/w development and become job ready in 3 months with our **MEAN stack development** program.

In this course you will be developing 3 different projects with increasing level of complexity which will help you in digesting some major core concepts needed to develop a fully working s/w application.

Objective: Using front-end and back-end technologies along with frameworks for developing web based project.

Eligibility

Bachelor's or Master's degree in Engineering, Technology (BE /BTech/ BS/ ME/ MTech in IT or Computer Science BSc IT/CS),

BCA, MSc in Computer Science, MCA) or any graduate with basic knowledge of C/C++/Java/Python, HTML and JS or any other programming language.

Tech Stack To Be Covered

MongoDB	Node JS	Express JS	Angular	Git

Deployment	HTML	CSS	Bootstrap

Module Wise Syllabus and Schedule

Highlights

Learn to create database structure of a project in No-SQL DBMS like Mongo. This will give you an experience to work on more complicated database structure.

Learn to work on back-end programming languages Node.jswith Express Node.js framework. Learn to manage your code with Unit testing and code-reusability.

Working with static files and images and manage them through database and programming languages.

Learn to design front-end/ web-UI using HTML5, CSS and JavaScript and more professional looking webpages using HTML and CSS framework like bootstrap and data-table.

Learn to create single page application using most widely used JavaScript technology Angular(CLI) framework

Learn to work with Next.js to interact with back-end giving hands-on exposure and step towards working with API's.

Source code management using GIT and GIT-Hub

Curriculum

Front-end: Angular(CLI) framework
Back-end:Node.js with Express

What in Angular JS?

- Features of Angular JS, Model-View-Controller
- Angular Expressions
- Filters
- Directives
- Controllers
- Angular JS Modules
- Angular JS Forms
- Scope
- Dependency Injection & Services
- Single Page Application (SPA)
- Angular JS Animation

What in Node.js?

- Introduction to Node JS
- Advantages of Node JS
- Node.js Process Model
- Setup Development Environment
- Install Node.js
- Node JS Modules
- Node Package Manager
- Creating Web Server
- File System
- Debugging Node JS Application
- Events
- Express JS
- Serving Static Resources
- Database Connectivity
- Project Development using Node JS

Database: MongoDB