

MERN Stack

Course Duration: 30 Hours

Module 1: Introduction to Full stack

- Full stack Web Development
- Introduction to Project Management in Web Development
- What is CMD?
- Introduction to GitHub

Module 3: HTML

- Introduction to HTML Tags in HTML
- Attributes
- Images in HTML
- Hyperlinks in HTML
- Tables in HTML
- HTML Forms
- HTML5 Semantic Elements
- HTML5 Video Element
- Structure of an HTML5 Page

Module 5: JavaScript

- Introduction to JavaScript
- The Absolute Fundamentals
- Variables and Values
- Conditional Execution
- Functions Essentials & More
- Loops & Operators
- Working with Arrays
- Working with Objects
- All about String
- Date and Time
- Data types & Scope
- Promises & Async/await
- Functions & Arrow functions
- JavaScript events
- Array methods
- Callbacks
- JavaScript & Expressions & Comments

Module 2: UI Design

- What is UI Design?
- Characteristics and Principles of UI Design

Module 4: CSS

- What is CSS?
- CSS Selectors
- CSS Box Model
- CSS Basics
- CSS Flexbox
- CSS properties
- CSS Colors
- CSS Comments
- CSS Grid
- CSS Font
- Detailed Display Positioning
- External CSS
- CSS Transforms
- CSS Advanced
- CSS Border
- CSS Gradient
- CSS Width

Module 6: DBMS using MongoDB

- Introduction to Database:
- Concept of Data Modeling:
- Relational & Non-relational Databases:
- Introduction to MongoDB



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Module 7: NodeJs

- Introduction to Node.js
- Setting up Node.js
- Callbacks and Events
- Introduction to File System, Buffers & Streams
- Concepts of Objects & Modules
- Hosting Website using Node.js

Module 9: ReactJs

- Installation & Introduction to React.js
- JSX & its Components
- React's Props & State Management
- Event Management in React
- Concept of React Hooks
- Routing in React
- React Forms & Client-side Programming

Module 10: Project

Module 8: ExpressJS

- Introduction & Setup of Express.js
- Concepts of RESTful API, HTTP Methods, Routing
- What is Templating?
- Database & Data Handling in Express.js
- Authentication in Express.js
- Creating Express APIs for E-Commerce Website

