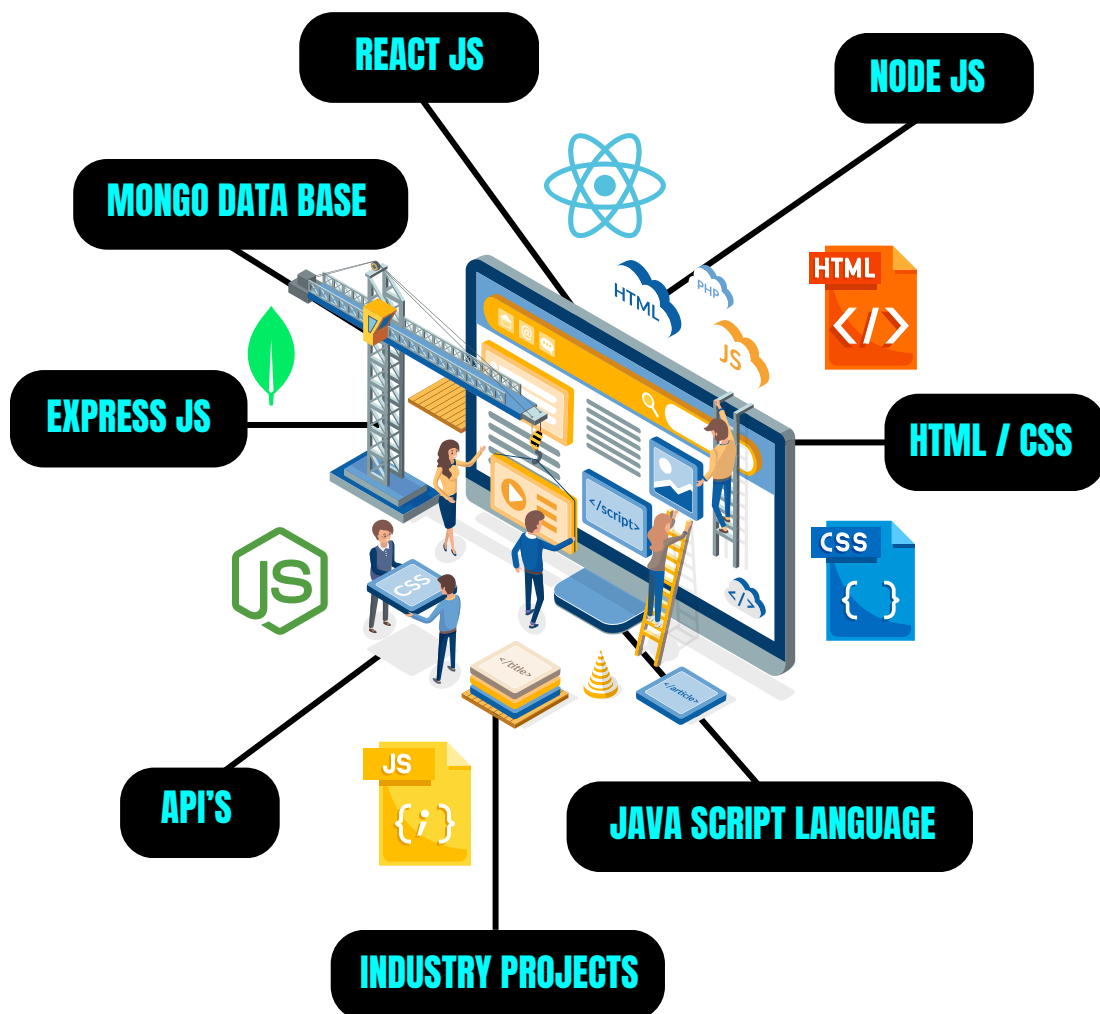


## Course Objective :

- Learning MERN stack can future-proof a developer's career by providing the skills needed to build modern web applications and stay up-to-date with industry trends.
- The MERN stack is widely used in the industry, making it a highly sought-after skill

## Course at a glance :



## Key Features

- Duration : 3-4 months.
- Class Duration : 1.5 HRS. (Mon-Sat)
- Real time use cases and projects included.
- Assured Job and Internship Opportunities.
- Training material with Exercises.
- Assignments and Quizzes.

## HTML / CSS

- HTML5 Semantic Elements,
- CSS Grid and Flexbox
- Responsive Design, CSS Preprocessors (Sass, LESS)
- Cross-browser Compatibility, Media Queries,
- Web Accessibility (a11y),
- CSS Animation,
- Advanced Selectors,
- Performance Optimisation.
- Project Work - 1

## JAVASCRIPT

- Introduction to JavaScript: Variables, Functions, data types, everything is a value, Function first-class citizens, Operators, Loops, Conditional statements.
- Objects in JS, Ways to create Objects, Reflection.
- Advanced: Closures, this keyword, Modules (traditional and modern), Strict mode and sloppy mode
- ES6, Callbacks, Promises, Async and Await & Generator.

## REACT JS

- JSX, Components and Props, State Management,
- Lifecycle Methods, Hooks (useState, useEffect, useContext, etc.)
- Context API, Router, Redux for State Management, Higher-Order Components
- Performance Optimization, Testing with Jest
- React Testing Library.

## PROJECTS

- TODO list application
- Notes Application
- Weather Application
- Flipkart Clone
- Ecommerce Website
- Personal Portfolio Website
- Event Management System

## MONGO DB

- Overview, Installation, MongoDB as service, Creating database & Collections
- Read, Insert, Update, Delete, Count, Sort & Limit.
- \$eq, \$ne, \$lt, \$gt, \$lte, \$gte & \$in.
- Indexes, Creating Indexes, Dropping Indexes, Designing a databas
- Db backup, Db restore, User Management & Import and Export

## NODE / EXPRESSJS

- Node.js Basics, Asynchronous Programming.
- Express.js Framework, Middleware, Routing, Error Handling, Building RESTful APIs
- Authentication and Authorisation (JWT, OAuth), Database Integration (MongoDB, SQL), Logging (Winston, Morgan)
- Performance Tuning and Scalability, Unit Testing (Mocha, Chai).



**HIGH PAYING SALARIES**



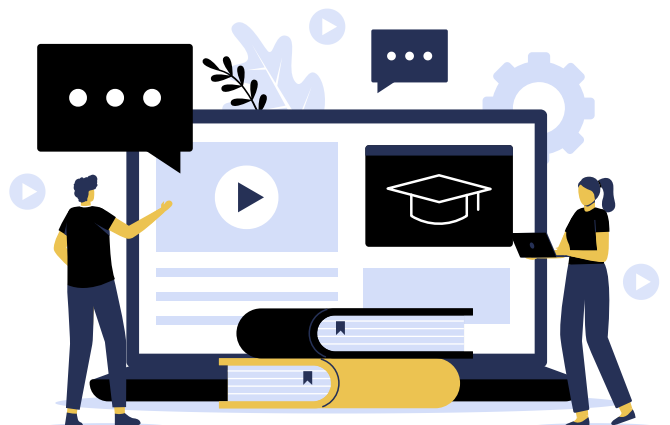
**MOST DEMANDING TECHNOLOGY**



**VERSATILE APPLICATIONS**

## Course also Includes :

1. Doubt Clearing Sessions
2. Mentorship Sessions
3. Real Time Projects
4. Full Day Practice Labs
5. Industry Expert Guest Lectures
6. Internship & Job Opportunities



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