

Full Stack MERN Developer Course



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Best institute for IT training and placements for classroom and online training for students and corporates. We are an ISO certified institute and in the industry since 2014. Our strong training and placement team have helped thousands of students build their career.

Courses - JAVA, Dot Net, Software Testing, Web Development, Full Stack Development, MERN, MEAN, Oracle, Digital Marketing, Python, Data Analytics, Data Science & A.I., Cyber Security, Salesforce, Service Now, Tableau, Power BI, Excel, React, Angular etc.

Live Projects - MarriageKing, theVibrantBirdie, CRM etc

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Syllabus mentioned below.



Tools You Learn



Bootstrap

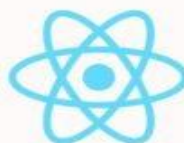


XAMPP

quickxpert



mongoDB.



React



JavaScript Object Notation



POSTMAN

& more ...



Web Designing

Learn

- HTML & HTML5
- CSS & CSS 3
- Media Query
- Javascript
- JQuery
- Twitter Bootstrap Framework
- Responsive Website Designing
- On Page SEO Techniques
- PHP Static Websites

Web Design Overview

- About Responsive Website Designing
- VS Code Installation

HTML

- Table
- Types of Lists
- Forms
- Head tag & Meta tag
- Layout
- Classes and ID
- Div Tags



- Paragraph Tag
- Formatting Tags
- Anchor Tag
- Quotations Tags
- Marquee Tag
- Image Tag

HTML5

- Section Tag
- Article Tag
- Source
- Header
- Video
- Audio
- Keygen
- Canvas

HTML 5 Validations

On-page SEO Techniques

- Meta Tags - Title, Description, tags etc.
- Header Tags - H1, H2, H3, H4, H5 etc.



CSS & CSS3

- Basics
- Background Image & Colors
- Selectors
- Declaration & Types
- Fonts & Text Properties
- Text Shadow, Gradients etc.
- Overflow & Display Properties etc.
- Effects - Border Radius, Box Shadow etc
- Box Model - Border, Margin etc
- Units in css
- Positions - Static, Absolute, Relative, Fixed, Sticky etc
- Transforms - 2d & 3d Effects
- Transitions - Color Effects
- Animations
- Menu & Navigation Bar
- Chrome's Inspect Element for Desktop & Mobile for Runtime CSS Manipulations

Media Query

- Overview
- Responsive website designing using media queries
- Creating CSS Media Query Files
- Device Width wise CSS Programming



JavaScript

- Basics
- Variables, Operators, Data Types etc
- Programming
 - If-else
 - Switch Case
 - While & Do While
 - For – Loops etc.
- Logic Building Sessions
- Creating Functions
- Inbuilt Functions
 - Date, Number
 - String
 - Numeric
- Arrays
 - 1D Array
 - 2D & Multi-Dimensional Array
- Methods
- Objects
- Event Handeling
 - On Click
 - On Keyup
 - On Change
 - On Keypress
 - On Keydown etc.



- Regular Expressions
- HTML DOM (Working with Frontend)
 - getElementById
 - getElementsByClassName
 - document.write etc
- Js Form Validations
- Alert Box ,Prompt ,Confirm etc

jQuery

- Basics
- Effects
- DOM Parsing
- Form Validations
- Events
- functions
- Creating Images
- Inbuilt Functions
 - redirect
 - html
 - text
 - find
 - siblings
 - parents etc.
- Dynamic CSS Programming
- Hide and show element etc



Bootstrap

- Basics & Introduction to Responsive Website Designing
- Grid System
- Card
- Table, Text & their Classes
- Image & Image Classes
- Button & Button Classes
- Creating Dropdown
- Creating Loader
- Creating Progressbar
- Breadcrumbs
- Pagination
- List
- Panel
- Media Object
- Font Awesome & Glyph Icons
- Forms
- Menus & Navigation Bar
- Carousel
- Tooltip
- Pop Hover
- Scroll Spy
- Affix
- Modals – (Pop ups)

Project



Node.js WEB DEVELOPMENT

MongoDB

- What is MongoDB
- Use of MongoDB
- Queries in MongoDB
- CRUD Operation in MongoDB
- MongoDB Compass in Reactjs
- How to connect MongoDB with NodeJs
- MongoDB create Database
- MongoDB Insert
- MongoDB Find
- MongoDB Sort
- MongoDB Delete
- MongoDB Update
- MongoDB Limit

Node.js

- What is Node.js?
- Installation
- Features of NodeJS
- Use of NodeJS
- Event loop in NodeJS
- Express in Nodejs
- Api in NodeJS



- SetTimeout and Promises in NodeJS
- Folder Structure of NodeJS
- Get Post Put Delete Method in Reactjs
- How to connect Reactjs With NodeJs
- Streams in NodeJS
- Modules in NodeJS
- Http
- fs etc.

Express.js

- What is ExpressJS?
- Use of ExpressJS
- Get Post Update Delete Method in ExpressJS
- Routing in ExpressJS
- URL Building
- Middleware
- Database
- Cookies
- Sessions
- Authentication
- Restful APIs
- JSON response



React.js

- Introduction
- Installing Nodejs & React
- Vs Code setup & Configuration
- Creating React App
- Folder Structure
- JSX Syntax
- Creating Components
- Event Handeling
 - On Click
 - On keyup
 - On change
 - On keypress
 - On keydown, etc.
- Adding CSS
- Adding Bootstrap
- Props(Properties)
- Router
- Hooks
 - useState
 - useEffect
 - useParams
 - useLocation etc.
- Working with Forms
- Rest API with React



- React with Node.js Backend
- CRUD Operations
- Redux
- AXIOS
- Taiwind CSS

Project



Next.js (addon)

- Pre-requisite: React. Duration 3 weeks to 1 month extra
- Introduction
 - What is Next.js?
 - Next.js vs React
 - What is SSR in Next.js?
 - Core Features
 - Pre-Rendering (SSG vs SSR overview)
- Installation & Project Setup
 - Install Node.js
 - Install Next.js
 - Starting Next.js Server
 - Folder Structure
- Routing
- Data Fetching & Rendering
- Functions & APIs
 - NextRequest
 - NextResponse
 - API Routes
- Metadata & SEO
 - generateMetadata() & generateImageMetadata
- Image Imports & Optimization
- Database Integration With MongoDB & Perform CRUD Operations
- Styling Support
- Project



MYSQL

Learn both MySQL & Adv. MySQL

- Asked in most interviews

Basics & Installations

- MySQL Server
- Workbench (client)

DDL - Data Definition Language

- Tables - Create, Alter, Drop, Auto Increment
- Constraints - Not Null, Primary Key, Unique Key, Foreign Key
- Index - Why required, Create, Drop

DML - Data Manipulation Language

- Insert, Update, Delete & Truncate

Transactions

- Commit & Rollback

DQL - Data Query Language (Select)

- Filters
 - Operators - <, <=, >, >=, =, !=



- BETWEEN
- IN
- LIK
- NOT
- NULL
- AND, OR, NOT
- Multi conditions filtering
- DISTINCT
- Limit, offset
- Sorting
 - Ascending Order
 - Descending Order
 - Multi Column Sorting
- Functions
 - Data, number, characters, null values etc.
 - Case
- Groups
 - Grouping functions - AVG, MIN, MAX, COUNT, DISTINCT COUNT
 - Grouping Filters - HAVING
- Joins
 - Cartesian Product
 - Equi and Non-Equi Joins
 - Left Outer Join
 - Right Outer Join
 - Full Outer Join



- Self Join
- SET Operators
 - Union, Union All, Intersect, Minus
- Subquery
 - Single Valued
 - Multi Valued
- Views & Inline Views
- Procedures
 - Programming basics - if..else, for loop
 - Procedures - create, drop
- Functions - create, drop
- Triggers - create, drop
- Project

Duration

6 months

more info - <https://quickxpertinfotech.com/full-stack-mern-developer-course>



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