

**MERN Stack Training Syllabus**

<b>ReactJS (Type Script)</b>	
<b><u>ReactJS</u></b>	<ul style="list-style-type: none"> <li>Introduction to ReactJS</li> <li>Understand ReactJS Library &amp; directory</li> <li>React Components</li> <li>Types of Components</li> <li>Build a simple React component</li> <li>Component composition</li> <li>Component styling</li> <li>Add styles to your components</li> <li>Component inter communication</li> <li>How to pass data from one component to another</li> <li>Routing</li> <li>Using Routing to create single page app</li> <li>Hooks</li> <li>States</li> <li>Hooks vs States</li> <li>Types of Hooks</li> <li>Redux</li> <li>Using Redux as state container for react apps</li> <li>React Bootstrap</li> <li>How to deploy ReactJS App</li> </ul>
<b><u>Nodejs</u></b>	<ul style="list-style-type: none"> <li>Introduction to Nodejs</li> <li>Architecture of Nodejs Application</li> <li>Synchronous and Asynchronous Programming</li> <li>Call back Function in nodejs</li> <li>Promises in Nodejs</li> <li>Mongodb with Nodejs</li> <li>Design the Schema in Nodejs</li> <li>Design the Rest API's</li> <li>GET, POST, PUT, DELETE</li> <li>JSON web Token Authentication in nodejs</li> <li>Create the Auth APP in nodejs</li> <li>Create the E-commerce Backend</li> <li>Integrated Payment Gateway</li> </ul>
<b><u>ExpressJS</u></b> <b><u>(Building RESTFUL API's Using Express_)</u></b>	<ul style="list-style-type: none"> <li>Express</li> <li>Restful services</li> <li>Introducing Express</li> <li>Building your First Web Server</li> </ul>

	<p>Nodemon Environment Variables Route Parameters Handling HTTP GET Request Handling HTTP POST Request Calling Endpoints Using Postman Input Validations Handling HTTP PUT Request Handling HTTP DELETE Request Project- Build the Genres API</p>
<b><u>Express-Advanced Topics</u></b>	<p>Middleware Creating a Custom Middleware Built-in Middleware Environments Configuration Debugging Templating Engine Database Engines Database Integration Authentication Structuring Express Applications</p>
<b><u>MongoDB</u></b>	<p>Introduction to MongoDB (No-sql) Collections in MongoDB Documents In mongoDb Difference between Mysql and NoSql Inserting data into database Filter queries in MongoDB Database Schema Validation in MongoDB database Indexing In collections Aggregation in MongoDB Embedded Document in MongoDB</p>