



PHP REACT JS TRAINING CURRICULAM

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Laravel - Syllabus (120 Hrs.)

Module 1: Introduction of Laravel Framework

- Fundamental Concepts OOP
- Introduction to Laravel
- Concept of Composer
- Install and Use of Composer
- Laravel Directory Structure
- Configuring a new project in Laravel

Module 2: Laravel Form and HTML Component

- Create HTML Forms
- HTML5 Form Elements
- HTML5 Form Attributes
- HTML5 Input Types

Module 3: Architecture and Basics

- MVC architecture overview
- Creating Models, Views and Controllers
- Basic Routing
- Laravel Controllers, Views Routing
- Routing Parameters
- Route Filtering with Middleware
- Passing Parameters in URLs
- Error Handling
- Request handling Inputs
- Response with Views
- Cookies & Sessions
- Blade Template
- Pass data to view

Module 4: Helpers & Libraries

- Database Library
- Session Library
- Form Helpers
- Email Helpers
- File Helpers
- Html Helpers

Module 5: Larvel Working with Data base

- Database Configuration
- Connecting to a database
- Data Migration
- Seeding
- Migration structure
- Eloquent ORM
- Laravel Data base Active Records – INSERT /SELECT/ UPDATE/ DELETE
- Running Queries
- Image & File Uploading in Laravel
- Laravel Forms
- Pagination in Laravel
- Sending Email
- Cookies & Sessions
- Creating a Basic Cart
- Form Validation Class

Module 6: Using AJAX with Laravel

- Introduction
- Get a data from another page
- Set up a controller to return JSON data
- Creating the Admin login
- Creating the Home Page of the Admin Panel

Module 7: Importing And Exporting

- Creating an Export Function for Categories
- Creating an Export Function for Products
- Importing a CSV Import Library for Products

Module 8: Security & Session

- Authentication
- Encryption
- Hashing
- Sessions Effective

Module 9: Admin panel setup

- Creating the Database Table
- Creating the Admin/Pages Controller
- Creating the Administrative Views
- Creating the Admin login
- Create Admin authentication system
- Data Encryption and Decryption

React JS

Module 1: Introduction to React

- Introduction & Features
- Overview of JSX
- React Components
- Binding an Event Handler

Fragments in React

- Class Components
- GET & POST in React
- Folder Structure in React Js
- Functional Components
- Event Handling
- Indexing & Keys in React
- Error in Reacts

Module 2: React Js with Typescript

- What is Typescript? Project with React using Typescript
- Benefits of Typescript with React
- Types in JavaScript
- Inference in React
- Void, Never Unknown Types in React
- Array, Tuple, Object in React
- Creating Generic Interfaces and Classes in React
- Component Props vs. Object Props
- Type Function with use State
- Type Function with use Reducer
- Type Ref Function Components
- Linting & Auto Formatting
- Babel, Webpack

Module 3: Code Splitting

- Code Splitting & Suspense
- Route Based Code Splitting
- Lazy Loading

Module 4: Routing with react router

- Setting Up React Router
- Understand Routing in Single Page Applications
- Browser Router & Hash Router Components
- Configuring Route with Route Component
- Using Switch Component to Define Routing Rules
- Making Routes Dynamic Using Route Params.
- Working with Nested Routes

Module 5: Flux, Redux Overview

- Flux Architecture
- Flux Components
- Stores
- Dispatchers
- View Controllers
- Actions
- Views
- Flux and React Works Together
- Introduction to One Store
- Provider Component
- Actions

Module 6: Hooks

- Understanding Hooks
- The Use State Hook
- Side Effects Using the Use Effect Hook
- The Use Context Hook
- The Use Reducer Hook
- Writing Your Own hook

Module 7: Code Splitting

- Code Splitting & Suspense
- Route Based Code Splitting
- Lazy Loading

Module 8: Isomorphic React

- Server Side Rendering
- SSR with React - Setup & Server
- SSR with React - The Tool Chain

Module 9: Webpack Primer & Isomorphic React

- Introduction to Webpack
- Setting up & Installing Webpack
- Working with the Configuration File of Web pack
- Working with Loaders & Plugins
- Setting Up a Hot Module Replacement

Module 10: Live Project Implementation