React.js Syllabus :

By
GharSeCode (GSC)

Course Title: React.js Development

Course By: GSC (Ghar Se Code)

Duration: 3 Hrs

Code Spirit: React Smart--Build Smarter Interfaces.

Topics	Detailed Overview
Introduction to React.js	What is React? JSX Overview React vs Traditional Web Development Project Setup using Create React App
Components and Props	Functional vs Class Components JSX & Props Composing Components Reusability and Hierarchy
State and Lifecycle	Understanding State Lifecycle Methods Hooks: useState, useEffect State Lifting and Prop Drilling
Event Handling	Handling Events in React Synthetic Events Binding Event Handlers
Conditional Rendering	if-else in JSX Element Variables Ternary Operators Short Circuit Operators
Lists and Keys	Rendering Lists Using Keys Effectively Mapping Components
Forms in React	Controlled vs Uncontrolled Components Handling Input Elements Form Submission
Hooks in Depth	useState useEffect useContext useReducer Custom Hooks
Routing	React Router Introduction Setting Up Routes Link and NavLink Route Parameters

Context API	Context Creation and Usage useContext Hook Prop Drilling vs Context
Redux (Basics)	Why Redux? Actions, Reducers, Store Connecting React with Redux Redux Toolkit Introduction
React Project Structure	Folder Organization Reusable Components Best Practices
React with APIs	Fetching Data using fetch/axios Handling Responses Async/Await with useEffect
Deployment	Build and Deploy with Netlify/Vercel GitHub Integration