Mobile App Development with Figma, React JS, and React Native

Module 1: Introduction to Figma

- Overview of Figma
- Setting up a Figma account
- Figma interface and tools
- Basic shapes and frames

Module 2: UI/UX Design Fundamentals

- Principles of UI/UX design
- Understanding user flow and wireframes
- Creating a basic wireframe in Figma

Module 3: Designing with Figma

- Creating components and reusable elements
- Working with colors, typography, and icons
- Building a sample UI design (e.g., login screen)

Module 4: Collaboration and Prototyping

- Collaborating with team members in Figma
- Creating interactive prototypes
- Sharing designs and receiving feedback

Module 5: Advanced Figma Techniques

- Auto-layout and constraints
- Variants and component states
- Responsive design in Figma

Module 6: Exporting Assets and Handoff to Developers

- Exporting design assets
- Inspect mode for developers

Module 7: Introduction to React JS

- What is React and why use it?
- Setting up a React development environment
- Understanding JSX and components

Module 8: React JS Basics

- Creating and rendering components
- Props and state
- Handling events in React

Module 9: Advanced React JS Concepts

- Lifecycle methods
- Conditional rendering
- Lists and keys

Module 10: Managing State with Hooks

- Introduction to Hooks
- Using useState and useEffect
- Building a simple React app with Hooks

Module 11: Styling in React

- CSS-in-JS
- Styled-components
- Responsive design with React

Module 12: Integrating Figma Designs into React

- Translating Figma designs to React components
- Using exported assets from Figma
- Ensuring design consistency

Module 13: Introduction to React Native

- What is React Native and why use it?
- Setting up a React Native development environment
- Differences between React JS and React Native

Module 14: Building Basic React Native Components

- Creating and rendering components in React Native
- Using basic components (View, Text, Image, ScrollView)
- Styling in React Native

Module 15: Navigation and State Management in React Native

- React Navigation for navigation
- Managing state with Hooks and Context API
- Building a simple React Native app

Module 16 : Integrating Figma Designs into React Native

- Translating Figma designs to React Native components
- Using exported assets from Figma
- Ensuring design consistency

Module 17: Advanced React Native Concepts

- Handling gestures and animations
- Using third-party libraries
- Building complex UIs

Module 18: Debugging and Testing in React Native

- Debugging techniques and tools
- Writing tests for React Native components
- Best practices for testing

Module 19: Performance Optimization in React Native

- Profiling and optimizing performance
- Handling performance issues
- Best practices for high-performance apps