



# Reactjsofficial

**React certification  
Program**

## CLASS SCHEDULE:

There will be recorded lectures for every topic and there will be live project discussions with expert mentors.

## DETAILED SYLLABUS

### 1. Introduction to ES6

- **Proxies**
- **Modules**
- **Iterators**
- **Rest and Spread Operators**
- **Template Strings**
- **Object Literals**
- **Introduction to webpack/ Babel/ npm**
- **Promises**
- **Map + Set + Weakmap + Weakset**
- **Generators**
- **Let and const**
- **De-structuring**
- **Template Strings**
- **Classes**
- **Arrows**
- **Introduction to ES5 to ES6**

## 2. Introduction to ReactJS

- Basic Setup
- Introduction to ReactJS
- Understand the View Technology
- Single Page Application vs Multipage Application
- Overview of ReactJS
- Understand JavaScript MVC Architecture

## 3. React Basics

- DOM
- Virtual Dom and it's working
- React Elements

## 4. Components in React

- React Lifecycle
- Class components
- Functional based components
- Functional vs Class Component
- Conditional Rendering

## 5. Props and state

- States
- Event handling, props
- Using props for data passing
- Building forms in React
- Data Binding

## 6. React Router

- Routes
- Navigation using Links
- React-router
- Nested Routes
- Pure Components

## 7. React-hooks

- What are hooks?
- `useState()`
- `useEffect()`
- `useDispatch()`
- `useSelector()`

## 8. Redux

- Store
- Actions
- Reducers
- Redux setup
- Core concepts
- Three principles

## 9. Backend Data & Deployment

- Axios
- fetching data with API
- Reducers
- API implementation
- Deploying App in AWS

### CONTACT DETAILS

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