

**SLOG SOLUTIONS PRIVATE LIMITED**  
**TECHNOLOGY: REACTJS**  
**DURATION: MODULE 1 (4 WEEKS)**

**MODULE 1:**

**Week : 1**

**Introduction to JavaScript**

**REACTJS**

- Introduction to REACT
- Folder structure
- Components
- Functional components
- Class components
- Hooks-update
- React-JSX
- React-props
- React-state
- React-set State
- Destructuring Props and States
- Event handling

**Week : 2**

- Binding event handlers
- Methods as Props
- Conditional rendering
- List rendering
- Lists and keys
- Index as key Anti-pattern

- Styling and CSS basics
- Form handling
- Lifecycle methods
- Mounting lifecycle
- Update lifecycle
- Fragments
- Pure components
- Memo
- React-refs
- Refs with class components

**Week : 3**

- Forwarding refs
- Portals
- Error boundary
- Higher order components
- Render props
- Context
- Controlled components
- Controlled component text area
- Controlled component form handling
- Strict mode
- HTTP
- HTTP GET
- HTTP POST

**Week : 4**

- React Hooks Introduction
- useState hooks
- useState with previous state
- useState with object
- useState with array
- useEffect hook
- useEffect after render
- Conditionally run effects
- useEffect with cleanup
- useContext
- useEffect fetching data
- useReducer hook
- useMemo hook
- useRef hook



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