**MODULE: 13 React – Applying Redux**

1. **What is Redux?**

**Ans:** React Redux is the official **UI bindings** for react Application. It is kept up-to-date with any API changes to ensure that your React components behave as expected.

**Globle state management**

1. **What is Redux Thunk used for?**

**Ans:**

Redux Thunk middleware allows you to write action creators that return a function instead of an action.

1. **What is Pure Component? When to use Pure Component over Component?**

**Ans:**

PURE COMPONENT is one of the most significant ways to optimize React applications. The usage of Pure Component gives a considerable increase in performance because it reduces the number of render operation in the application

1. **What is the second argument that can optionally be passed tosetState and what is its purpose?**

**Ans:**

The second argument in tosetState is a callback function.

Its purpose is to execute code after the state has been updated and the component has re-rendered. This is useful for performing actions that depend on the updated state, ensuring they occur at the right time in the component lifecycle.

Example:

this.setState({ count: this.state.count + 1 }, () => {

console.log('State updated and component re-rendered.');

});

1. **Create a Table and Search data from table using React Js?**
2. **Create Login registration with CRUD Application using API (Redux)**