

## **FSD Laboratory 05**

Aim: Design and develop an interactive user interface using React.

Objectives:

1. Articulate what React is and why it is useful.
2. Explore the basic architecture of a React application.
3. Use React components to build interactive interfaces

Theory:

1. What is React? Steps to run React app using create-react-app.
2. Passing data through props (Small example)

FAQ:

1. What are React states and hooks?

Output: Screenshots of the output to be attached.

### **Sample Problem Statements:**

#### **1. Design and develop a UI for calculator using React.**

You can include features like-

Mathematical operations

Inserting values

Decimal values must be supported

#### **2. Design and develop a UI for creating React form to gather the individual's data.**

It should include features like-

Taking user's data.

A SUBMIT button.

On submit must highlight the empty block.

Error message when entering the wrong format of email ID.

Display a success message on successful submission.

#### **3. Design and develop a UI for Resume Builder application system.**

The resume builder app must include -

Professional summary

Education qualifications

Academic and non-academic skills,

Career objective

Experience and Internships

Skills and Achievements