**Batch: Roll No.:**

**Experiment / assignment / tutorial No.\_\_\_\_**

**Grade: AA / AB / BB / BC / CC / CD /DD**

**Signature of the Staff In-charge with date**

|  |
| --- |
| Title: Implementation of React Fundamentals. |

**AIM:** To Implement the Basic operations of React js

**Problem Definition:**

-Demonstrate the

* React Fundamentals
* Function Component
* Styling/ Bootstrap
* React JSX
* Expressions in JSX
* React Props
* React state
* React Component Lifecycle
* React Events
* Event Binding

\*(Students have to perform the task assigned within group and demonstrate the same).

**Resources used:**

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**Expected OUTCOME of Experiment:**

**CO 1:**.Build full stack applications in JavaScript using the MERN technologies.

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**Books/ Journals/ Websites referred:**

1. Shelly Powers Learning Node O’ Reilly 2 nd Edition, 2016.

**Pre Lab/ Prior Concepts:**

React JS:

Setup of First Application using React js Steps:

Importance of all Files considering the Folder Structure of First React Application:

Component in React:

React JSX:

**Methodology:**

**Implementation Details:**

Students have to write stepwise details of implementation.

**Steps for execution:**

**Conclusion:**

**Students have to write in their own words.**

**Postlab questions:**

1. **Explain the Concept of SPA.**
2. **What is Component Lifecycle?**