

Day 15 – Daily Diary (Training TR-102)

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Institute: Guru Nanak Dev Engineering College, Ludhiana

Training Location: STEP GNDEC, Ludhiana

Topic Covered: Learning Deep About React

♦ What I Learned Today:

On the fifteenth day of my training, I focused on **learning more about React** and its core features. I learned about **components, props, state, and events** in React, which are essential for building interactive and dynamic web applications.

The trainer explained how **functional components** and **class components** work, and how to pass data between components using **props**. I also learned about **state management** in React and how to update the UI dynamically when data changes. Event handling in React, such as responding to button clicks or form inputs, was also covered.

♦ Activities Performed:

1. Created multiple React components and rendered them in a main component.
2. Passed data from parent to child components using props.
3. Implemented state in a component and updated it using useState hook.
4. Added event handlers to buttons and input fields to make the application interactive.
5. Practiced combining components, props, and state to create a small interactive project.
6. Tested the project in the browser to see real-time updates on the UI.

♦ Skills Gained:

- Understanding of components, props, and state in React.
- Ability to create functional and reusable React components.
- Knowledge of updating UI dynamically using state.
- Experience in handling events in React applications.
- Confidence in building small interactive projects using React.

Reflection:

Today's session helped me **strengthen my understanding of React fundamentals**. I

realized that React's component-based structure makes building complex web applications easier and more organized.

Practicing props, state, and event handling gave me hands-on experience in creating **dynamic and interactive webpages**. Overall, Day 15 increased my confidence in working with React and prepared me for building larger React projects in the future.