Day 7 – Daily Diary (Training TR-102)

Date: 04 July 2025
Name: Prabhdeep Kaur
URN: 2435240
CRN: 2315289
Institute: Guru Nanak Dev Engineering College, Ludhiana
Training Location: STEP GNDEC, Ludhiana

Topic Covered: Deep Dive into Bootstrap & Bootstrap-Based Project

◆ **What I Learned Today:**

On the seventh day of my training, the session focused on **deepening our understanding of Bootstrap** and applying it to a **real project**. We explored more advanced features of Bootstrap, including the **grid system, responsive utilities, and pre-designed components** such as navbars, cards, modals, buttons, forms, and alerts.

The trainer explained how Bootstrap makes web development faster and easier by providing **pre-built classes** for layout, typography, spacing, and alignment. I learned how to customize Bootstrap components using classes, overriding default styles, and integrating them with custom CSS for unique designs.

Additionally, we started working on a **Bootstrap-based project** to create a professional-looking webpage. This gave me practical experience in combining HTML, CSS, and Bootstrap to build a responsive and interactive user interface.

◆ **Activities Performed:**

1. Practiced using Bootstrap grid system to create responsive layouts with rows and columns.

2. Implemented Bootstrap components like buttons, cards, navbars, and forms in a sample project.

3. Customized Bootstrap components with additional CSS to enhance design.

4. Explored responsive utilities to show or hide elements on different devices.

5. Worked on a small project webpage using Bootstrap to apply all learned concepts.

6. Tested the project on desktop, tablet, and mobile screens to ensure responsiveness.

7. Learned about best practices in structuring a Bootstrap project efficiently.

◆ **Skills Gained:**

- Strong understanding of Bootstrap's grid system and responsive design principles.

- Ability to use pre-built Bootstrap components effectively.

- Skills in customizing Bootstrap styles using additional CSS.

- Hands-on experience in building a responsive webpage with Bootstrap.

- Understanding of mobile-first web design and testing across devices.

- Improved confidence in integrating HTML, CSS, and Bootstrap in a project.

Reflection:

Today's session was very practical and interactive. Working on a **Bootstrap-based project** helped me understand how to apply theoretical concepts to real-world web development. I realized how Bootstrap simplifies styling and ensures that webpages are responsive across devices, saving time and effort compared to writing all CSS from scratch.

The hands-on project allowed me to experiment with layouts, components, and responsive utilities, enhancing my confidence in creating professional-looking webpages. This session strengthened my **front-end development skills** and prepared me to start integrating Bootstrap into larger projects, paving the way for more advanced front-end work.

Overall, Day 7 was highly productive and valuable, as it combined **learning advanced Bootstrap features** with practical project experience, reinforcing both design and development skills.