

Day 6 – Daily Diary (Training TR-102)

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Institute: Guru Nanak Dev Engineering College, Ludhiana

Training Location: STEP GNDEC, Ludhiana

Topic Covered: CSS Fundamentals and Introduction to Bootstrap

◆ What I Learned Today:

On the sixth day of my training, the focus was on **CSS (Cascading Style Sheets) fundamentals** and an introduction to **Bootstrap**, a popular front-end framework. CSS is essential for styling web pages created with HTML. I learned how CSS improves the visual appeal of a webpage by controlling layout, colors, fonts, spacing, and positioning.

The trainer explained **different types of CSS** – inline, internal, and external – and demonstrated how external CSS files are the most efficient method for larger projects. We explored **CSS selectors, properties, and values**, and practiced applying them to various HTML elements. I learned about the **box model**, which includes margin, border, padding, and content, and how understanding this concept is crucial for layout design.

We also had an **introduction to Bootstrap**, a CSS framework that simplifies styling and makes webpages **responsive across devices**. The trainer explained Bootstrap's grid system, classes, and pre-built components such as buttons, cards, navbars, and forms. I learned how using Bootstrap reduces development time and helps create professional-looking web pages without writing extensive CSS code.

◆ Activities Performed:

1. Practiced CSS fundamentals by styling headings, paragraphs, lists, and links.
2. Applied background colors, borders, and spacing using the box model properties.
3. Created an external CSS file and linked it to an HTML page.
4. Explored the difference between inline, internal, and external CSS.
5. Started learning Bootstrap by including the Bootstrap CDN in a project.
6. Practiced using Bootstrap's grid system to create responsive layouts.
7. Added Bootstrap components such as buttons, cards, and navigation bars to webpages.
8. Tested webpages on different screen sizes to observe responsive behavior.

◆ Skills Gained:

- Strong understanding of CSS fundamentals and styling techniques.
- Ability to apply colors, fonts, borders, and spacing to HTML elements.
- Knowledge of the CSS box model and its effect on webpage layout.
- Introduction to Bootstrap framework and its grid system.
- Ability to use pre-built Bootstrap components for faster and professional web design.
- Awareness of responsive web design and mobile-friendly layouts.

Reflection:

Today's session was very practical and insightful. Learning CSS fundamentals helped me enhance the visual appearance of web pages, while Bootstrap introduced me to **modern, responsive design techniques**. I understood how CSS and frameworks like Bootstrap make webpages more professional and user-friendly.

The hands-on exercises helped me gain confidence in combining HTML, CSS, and Bootstrap to design webpages that are not only functional but also visually appealing. This session prepared me for advanced front-end development and gave me tools to create professional-looking projects in the future.

Overall, Day 6 strengthened my **front-end design skills** and provided a solid foundation for building responsive and visually attractive websites.