Week 1 – Web Foundations: HTML, CSS, Git & GitHub

🎯 Learning Objectives

By the end of Week 1, students will be able to:

- Understand the structure of the web (client–server basics).

- Write semantic **HTML5** for content.

- Apply **CSS3** for styling and responsiveness.

- Use **Git** for version control and **GitHub** for collaboration.

- Deploy a static site to GitHub Pages.

📌 Weekly To-Do

- **Setup Development Environment**

  Install VS Code, Git, and Node.js. Create and configure a GitHub account.

- **Learn HTML5**

  Focus on semantic tags like `<header>`, `<footer>`, `<nav>`, `<section>`, `<article>`, and practice creating forms, links, images, and tables.

- **Learn CSS3**

  Cover selectors, colors, fonts, spacing, Flexbox, and CSS Grid. Practice creating responsive layouts with media queries.

- **Version Control with Git & GitHub**

  Learn `git init`, `git add`, `git commit`, branching, merging, and pushing to GitHub repositories.

- **Deployment**

  Deploy a static website using GitHub Pages and test it on mobile and desktop devices.

- **Progress Sharing**

  Document learning progress and share project updates with a LinkedIn post including project screenshots, GitHub repo link, and live deployment link.

🛠️ Tools & Technologies

- **Editor:** VS Code

- **Version Control:** Git, GitHub

- **Deployment:** GitHub Pages

📌 Week 1 Project – *Personal Portfolio Website*

- Build a **Portfolio Website** with the following sections:

  - Header (Name + Navigation)

  - About Me

  - Skills (list with icons/images)

  - Projects (at least 2 placeholders)

  - Contact (email, GitHub link, LinkedIn link)

- Must be **responsive** (desktop + mobile).

- Must be **deployed on GitHub Pages**.

Deliverables:

- GitHub repo link

- Live deployment link

- LinkedIn post showcasing progress

📚 Suggested Resources

- HTML & CSS crash Course

- HTML W3

- CSS w3

- [Git & Github Course](#)