**Full Stack Web Development**

**Day 1: Introduction to Full Stack Web Development**

* Overview of front-end, back-end, and full-stack development.
* Understanding the roles of HTML, CSS, JavaScript, and server-side technologies.
* Exploring career opportunities in web development.
* Setting up the development environment: installing necessary software like Visual Studio Code, XAMPP, and browsers.

**Day 2: Developing HTML Using Visual Studio Code**

* Basics of HTML: structure, tags, and attributes.
* Creating a simple webpage with headings, paragraphs, lists, links, and images.
* Introduction to Visual Studio Code: setting up extensions and understanding its interface.
* Hands-on practice: building a basic webpage with a header, footer, and navigation menu.

**Day 3: CSS for Styling Websites**

* Introduction to CSS: inline, internal, and external styles.
* CSS properties for layout, colors, fonts, and spacing.
* Using selectors and combining them efficiently.
* Hands-on: creating a styled webpage with a consistent design theme (e.g., a portfolio page).

**Day 4: Bootstrap – A Popular Styling Framework**

* What is Bootstrap, and why is it used?
* Adding Bootstrap to your project (via CDN or local files).
* Using Bootstrap classes for grids, typography, buttons, and forms.
* Hands-on: redesigning the previous day’s webpage using Bootstrap for responsiveness.

**Day 5: Editing Premade Web Templates**

* Introduction to web templates and how to find free ones online.
* Understanding the folder structure of templates (HTML, CSS, JS files).
* Customizing templates: modifying the content and styles.
* Hands-on: editing a template to match a specific theme (e.g., personal portfolio or small business site).

**Day 6: Working with XAMPP for Server-Side Development**

* Introduction to servers, PHP, and databases.
* Setting up XAMPP and running a local server.
* Creating a simple PHP page and understanding how it works.
* Hands-on: building a "Hello World" dynamic webpage using PHP and XAMPP.

**Day 7: Form Handling Using PHP**

* Understanding HTML forms and their role in collecting user input.
* Basics of PHP form handling: GET vs POST methods.
* Validating user input and handling errors.
* Hands-on: creating a contact form that submits and displays user input.

**Day 8: CRUD Operations in XAMPP – Inserting and Viewing**

* Introduction to CRUD (Create, Read, Update, Delete) operations and their importance.
* Setting up a MySQL database using phpMyAdmin in XAMPP.
* Writing PHP scripts to insert data into a database.
* Displaying data from the database in an HTML table.
* Hands-on: creating a basic "user management" system with insert and view functionalities.

**Day 9: CRUD Operations in XAMPP – Editing and Deleting**

* Extending CRUD functionality: updating and deleting database records.
* Writing PHP scripts for editing and deleting data.
* Updating the HTML table to include "Edit" and "Delete" buttons.
* Hands-on: completing the CRUD functionality for the "user management" system.

**Day 10: Working with Templates and Completing the Project**

* Integrating a web template with dynamic PHP content.
* Linking CRUD operations to the final project.
* Debugging and testing the project for any issues.
* Hands-on: finishing the full project (e.g., a personal portfolio site, blog system, or user management tool).
* Final wrap-up: overview of the project workflow and next steps for students (e.g., deployment, learning advanced concepts).