Web development Course syllabus

What you will learn from the course :

1. Create a fully functional website using the Full-Stack with Django

2. How to use HTML & CSS to create website content

3. Use Javascript to interact with sites on the Front-End

4. HTTP requests

5. Power of Python to code out your web applications

6. Use Django as a back end for the websites

7. Implement a full Models-Views-Templates structure for your site

Section 1: Introduction

- setting up the environment
- Frontend Introduction and how does the web work?
- How does the internet work?

Section 2 - HTML:

- HTML boilerplate and HTML doctypes.
- How to structure HTML lists to create unordered and ordered lists.
- insert images using HTML, hyperlinks using anchor tags, HTML tables for content.
- tables for layout , forms , HTML Divs

Section 3 - CSS

- cascading style sheets to style websites.
- CSS selectors and properties. Inline, internal and external CSS.
- CSS sizing methods.
- Class vs Ids and how to target each.
- CSS display and how to implement the layout.
- CSS static, relative and absolute positioning systems.

Section 4 - Bootstrap

- fundamentals of implementing responsive web design.
- The fundamentals of UI design for websites.
- Bootstrap grid layout system. bootstrap containers to layout website

Section 5 - JavaScript

- Understand Variables and Data Types, Data Structures in JavaScript
- Operators Loops, collections and Conditionals.

Section 6 -Document Object Model

- Tree structure of HTML based websites.
- DOM Interaction, Content Interaction, Events
- Traverse through the document using object notation.

Section 7 - JQuery

- Installing and using the jQuery framework.
- jQuery functionalities
- Make website interactive Responding to user initiated events with jQuery

Section 8 - Introduction to Backend

- How Frontend and Backend work in pair
- Command-line and terminal Overview

Section 9 - Python

- Introduction to data structures and algorithmic implementation
- Object-Oriented Programming

Section 10 - All about Django:

- Model View Template model introduction
- Creating Models, Templates, Static Files, URL mapping, Forms
- Interrelation between all of them

Section 11 - Finale

- Live hand on big Project
- Deployment of Project