Course Title: Front-End Web Development Crash Course

Course Introduction : Hello everyone and welcome to GDIOT's Front-end web development crash course! In this session we will explore many things. From the basics of programming to create your own website, WE GOT YOU COVERED!

Course Description:

This intensive 12-hour crash course provides an accelerated introduction to front-end web development. Students will learn the essential skills and technologies required to build interactive and responsive websites. The course will cover HTML, CSS, JavaScript, and popular front-end frameworks.

Course Duration: 12 hours

Syllabus:

Module 1: Introduction to Web Development (2 hour)

- overview of Web design and web development

- Understanding the roles and responsibilities of Web developers

- What is programming language and syntax.

- Introduction to HTML, CSS, and JavaScript ()

- Why these 3 languages?

Module 2: HTML Fundamentals (2 hours)

- What is VS Code and its uses

- Introduction to HTML5 syntax and structure

- Working with text, links, images, and multimedia

- Creating forms and handling user input

- Semantic HTML and accessibility best practices

- HTML Cheat Sheet

Module 3: CSS Fundamentals (3 hours)

- Introduction to CSS3 syntax and selectors

- Way to insert CSS

- CSS Properties

- Box model and layout techniques

- Working with colors, backgrounds, and gradients

- CSS transitions and animations

Module 4: CSS Framework (bootstrap) (1 hour)

- Understanding bootstrap and its need

- Using bootstrap in your code

Module 5: Project Assignment on above module (1 hour)

- Project description

- Sample project

Module 6: JavaScript Basics (3 hours)

- What is JavaScript?

- Why use JS?

- HTML, CSS vs JS

- Basics of JS (alert, prompt and confirm)

- What are Variables.

- What are type of variables?

- What are Data Types?

- What are operators?

- What are type of Operators?

- Control flow and conditional statements

- Functions, arrays, and objects

- What is difference coding and programming

Module 7: NO CODE Web designing

- Tools avilable today

- WIX Introduction

- Wix Walkthrough

- How to monetize my Skill?

Module 9: Porject Assigment on web designing

- Use wix to create A Portfolio site

Module 10: What next?

- What us backend development?

- How should you explore backend development?