Syllabus: Certificate In Website Designing

- **Duration:** 4 Months
- **Eligibility:** 10th Pass

Evaluation Scheme

- **Full Marks:** 200
- **Theory:** 100 Marks
- **Practical/Project Works:** 80 Marks
- **Internal Assessment/Viva (Oral Test):** 20 Marks

Course Syllabus

This course provides comprehensive training in front-end web design, covering the essential languages and principles required to create visually appealing, user-friendly, and responsive websites.

Module 1: Web Design Principles & UI/UX

- Introduction to Web Design.
- Principles of good design: Layout, Color Theory, Typography.
- Introduction to UI (User Interface) and UX (User Experience).
- Creating Wireframes and Mockups.

Module 2: HTML5 (HyperText Markup Language)

- Structure of a Web Page.
- Working with Semantic Tags (header, footer, nav, article).
- Creating Forms, Tables, and Lists.
- Embedding Images, Audio, and Video.

Module 3: CSS3 (Cascading Style Sheets)

- Selectors, Properties, and Values.
- The Box Model: Margin, Border, Padding.
- Advanced Layouts with Flexbox and CSS Grid.
- Responsive Web Design using Media Queries.
- Transitions and basic animations.

Module 4: JavaScript Essentials

- Introduction to JavaScript for interactivity.
- Variables, Data Types, and Functions.
- DOM (Document Object Model) Manipulation.
- Handling user events (clicks, mouseover, etc.).
- Creating simple interactive elements like image sliders or tabs.

Module 5: Introduction to Bootstrap Framework

- Understanding the benefits of a CSS framework.
- Using the Bootstrap Grid System for responsive layouts.
- Implementing pre-styled components like Navbars, Buttons, and Forms.
- Rapidly prototyping a website design.

Module 6: Final Project

- Students will design and code a complete, multi-page, responsive website.
- **Example Project:** Design and build a portfolio website or a website for a small business, ensuring it is mobile-friendly and includes interactive elements.