

Syllabus and Lesson Plan

Course Title: Web Development using HTML, JAVASCRIPT AND CSS

Course Duration: 30 days

Course Description: This course introduces the fundamentals of web development using HTML. Students will learn to create well-structured web pages, integrate multimedia, build forms, and understand the principles of responsive design.

Day 1-2: Introduction to Web Development and HTML Basics (BY MS MADHURI GUPTA)

- Lecture 1: Introduction to Web Development and HTML
- Lecture 2: HTML Structure and Basic Tags

Day 3-4: Text Formatting and Hyperlinks (BY MS MADHURI GUPTA)

- Lecture 3: Text Formatting and Semantic Tags
- Lecture 4: Creating Hyperlinks and Navigation

Day 5-6: Lists and Images (MS MADHURI GUPTA)

- Lecture 5: Unordered and Ordered Lists
- Lecture 6: Embedding Images and Alt Attributes

Day 7-8: Multimedia Elements (BY MRS K VIBHOOTI)

- Lecture 7: Embedding Audio and Video
- Lecture 8: Adding Interactive Maps and Iframes

Day 9-10: Forms and User Input (BY MRS K VIBHOOTI)

- Lecture 9: Building Basic Forms
- Lecture 10: Form Input Types and Labels

Day 11-12: Semantic HTML and HTML5 Features (BY MRS K VIBHOOTI)

- Lecture 11: Semantic HTML Elements
- Lecture 12: Introduction to HTML5 Features

Day 13-14: Responsive Design Principles (BY MRS K VIBHOOTI)

- Lecture 13: Introduction to Responsive Design
- Lecture 14: Media Queries and Viewport Meta Tag

Day 15-16: CSS Basics for Styling(BY MRS. THANESHWARI SAHU)

- Lecture 15: Introduction to CSS
- Lecture 16: Selectors, Properties, and Values

Day 17-18: CSS Styling and Layout (BY MRS. THANESHWARI SAHU)

- Lecture 17: Applying Styles to HTML Elements
- Lecture 18: Box Model and Positioning

Day 19-20: CSS Flexbox and Grid Layout(BY MRS. THANESHWARI SAHU)

- Lecture 19: Introduction to Flexbox
- Lecture 20: Grid Layout and Responsive Design

Day 21-22: CSS Transitions and Animations(BY MRS. THANESHWARI SAHU)

- Lecture 21: CSS Transitions and Transformations
- Lecture 22: Creating CSS Animations

Day 23-24: Introduction to JavaScript(BY MS MADHURI GUPTA)

- Lecture 23: Introduction to JavaScript
- Lecture 24: Adding JavaScript to HTML

Day 25-26: Document Object Model (DOM) Manipulation(BY MS MADHURI GUPTA)

- Lecture 25: Understanding the DOM
- Lecture 26: Modifying HTML with JavaScript

Day 27-28: Form Validation and Event Handling(BY MS MADHURI GUPTA)

- Lecture 27: Form Validation with JavaScript
- Lecture 28: Handling Events and Event Listeners

Day 29-30: Final Projects and Deployment(BY MS MADHURI GUPTA)

- Lecture 29: Final Project Development and Review
- Lecture 30: Deploying HTML, CSS, and JavaScript

Reference Books:

"HTML and CSS: Design and Build Websites" by Jon Duckett

"Learning Web Design: A Beginner's Guide to HTML, CSS, JavaScript, and Web Graphics" by Jennifer Niederst Robbins