

Web Development Syllabus

Week 1-- HTML

- ✓ HTML Introduction
 - ✓ HTML Editors
 - ✓ HTML Basic
 - ✓ HTML Elements
 - ✓ HTML Attributes
 - ✓ HTML Headings
 - ✓ HTML Paragraphs
 - ✓ HTML Formatting
 - ✓ HTML Links
 - ✓ HTML Head
 - ✓ HTML CSS
 - ✓ HTML Images
 - ✓ HTML Tables
 - ✓ HTML Lists
 - ✓ HTML Blocks
 - ✓ HTML Layout
 - ✓ HTML Forms
 - ✓ HTML Iframes
 - ✓ HTML Colors
 - ✓ HTML Colornames
 - ✓ HTML Colorvalues
 - ✓ HTML JavaScript
 - ✓ HTML Entities
 - ✓ HTML URL Encode
 - ✓ HTML Quick List
 - ✓ HTML Summary
 - ✓ HTML XHTML

HTML5

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- ✓ HTML5 Intro
- ✓ HTML5 New Elements
- ✓ HTML5 Canvas
- ✓ HTML5 SVG
- ✓ HTML5 Drag/Drop
- ✓ HTML5 Geolocation
- ✓ HTML5 Video
- ✓ HTML5 Audio
- ✓ HTML5 Input Types
- ✓ HTML5 Form Elements
- ✓ HTML5 Form Attributes
- ✓ HTML5 Semantic
- ✓ HTML5 Web Storage
- ✓ HTML5 App Cache
- ✓ HTML5 Web Workers
- ✓ HTML5 SSE

CSS

- ✓ CSS Basic
 - ✓ CSS HOME
 - ✓ CSS Introduction
 - ✓ CSS Syntax
 - ✓ CSS Id & Class
 - ✓ CSS How To
 - ✓ CSS Backgrounds
 - ✓ CSS Text
 - ✓ CSS Fonts
 - ✓ CSS Links
 - ✓ CSS Lists
 - ✓ CSS Tables

Week-2-- CSS Box Model

- ✓ CSS Box Model
- ✓ CSS Border
- ✓ CSS Outline
- ✓ CSS Margin
- ✓ CSS Padding

CSS Advanced

- ✓ CSS Grouping/Nesting
 - ✓ CSS Dimension
 - ✓ CSS Display
 - ✓ CSS Positioning
 - ✓ CSS Floating
 - ✓ CSS Align
 - ✓ CSS Pseudo-class
 - ✓ CSS Pseudo-element
 - ✓ CSS Navigation Bar
 - ✓ CSS Image Gallery
 - ✓ CSS Image Opacity
 - ✓ CSS Image Sprites
 - ✓ CSS Media Types
 - ✓ CSS Attr Selectors
- ✓ CSS3 Introduction
- ✓ CSS3 Borders
- ✓ CSS3 Backgrounds
- ✓ CSS3 Gradients
- ✓ CSS3 Text Effects
- ✓ CSS3 Fonts
- ✓ CSS3 2D Transforms
- ✓ CSS3 3D Transforms
- ✓ CSS3 Transitions
- ✓ CSS3 Animations
- ✓ CSS3 Multiple Columns

Week-3--

JavaScript introduction

- ✓ What is JavaScript
- ✓ Understanding Events
- ✓ JavaScript Example
- ✓ External JavaScript

Basic Elements

- ✓ Comment ✓ Variable
- ✓ Global Variable
- ✓ Data Types
- ✓ operators
- ✓ If Statement
- ✓ Switch
- ✓ Loop: for and while
- ✓ Function

JavaScript Objects

- ✓ JavaScript objects
- ✓ JavaScript Array

Browser Object Model

- ✓ Browser Objects
- ✓ Window Object
- ✓ Document Object
- ✓ getElementById
- ✓ getElementsByName
- ✓ getElementsByTagName
- ✓ innerHTML property
- ✓ inner Text property

JavaScript Validation

- ✓ form validation
- ✓ email validation

Week-4--

PHP Syllabus

Core PHP

Introduction to PHP

- ✓ Evaluation of Php
- ✓ Basic Syntax
- ✓ Defining variable and constant
- ✓ Php Data type
- ✓ Operator and Expression

Handling Html Form With Php

- ✓ Capturing Form Data
- ✓ Dealing with Multi-value filed
- ✓ Generating File uploaded form
- ✓ Redirecting a form after submission

Decisions and loop

- ✓ Making Decisions
- ✓ Doing Repetitive task with looping
- ✓ Mixing Decisions and looping with Html

Function

- ✓ What is a function
- ✓ Define a function
- ✓ Call by value and Call by reference
- ✓ Recursive function

String

- ✓ Creating and accessing String
- ✓ Searching & Replacing String

- ✓ Formatting String
- ✓ String Related Library function

Array

- ✓ Anatomy of an Array
 - ✓ Creating index based and Associative array
 - ✓ Accessing array Element
 - ✓ Looping with Index based array
 - ✓ Looping with associative array using each() and foreach()
 - ✓ Some useful Library function

Week-5--

Working with file and Directories

- ✓ Understanding file& directory
- ✓ Opening and closing a file
- ✓ Coping ,renaming and deleting a file
- ✓ Working with directories
- ✓ Building a text editor
- ✓ File Uploading & Downloading

State management

- ✓ Using query string(URL rewriting)
- ✓ Using Hidden field
- ✓ Using cookies
- ✓ Using session

String matching with regular expression

- ✓ What is regular expression
- ✓ Pattern matching in Php
- ✓ Replacing text
- ✓ Splitting a string with a Regular Expression

Generating Images with PHP

- ✓ Basics of computer Graphics
 - ✓ Creating Image
 - ✓ Manipulating Image
 - ✓ Using text in Image

Week-6--

Database Connectivity with MySql

- ✓ Introduction to RDBMS
- ✓ Connection with MySql Database
- ✓ Performing basic database operation(DML) (Insert, Delete, Update, Select)
- ✓ Setting query parameter
- ✓ Executing query
- ✓ Join (Cross joins, Inner joins, Outer Joins, Self joins.)