The Complete Web Development

Course Module

Class Hours- 2.00 hours || Total Class - 32

❖ **Module 1- HTML**
  ➢ **Day One**
    1. Elements – Concept of Tags, Code Writing Concepts
    2. Attributes – Common Attributes of HTML Tags and their Use
    3. Head – Head Elements, and the Contents of Head
    4. Paragraph, Headings and Comments – Making Paragraph, Heading etc
    5. Blocks -Div, Span, Layout and their Usages in Modern HTML
    6. Entities – Character Enteritis, Symbols, their Importance and Use in HTML
    7. Lists – Unordered, Ordered, Description Lists and other List Tags
  ➢ **Day Two**
    1. Formatting – Font Formatting, Different Tags to Format Fonts
    2. Links – Implementation of Links, and Description of Link Attributes
    3. Images – Image Tags and its Attributes
    4. iFrames – Syntax of iFrame and its Usages
    5. Entities – Character Enteritis, their Importance and Use in HTML
  ➢ **Day Three**
    1. Tables – Detailed Table Attributes and Uses of Table
    2. Create layout using table
  ➢ **Day Four**
    1. Implementation of Forms and Validation of Forms
    2. Create a project with form
❖ **Module 2- CSS and CSS3**
  ➢ **Day Five**
    1. Text and Fonts – Text and Font formatting with the help of CSS
    2. Lists – Creating List and List contents with CSS
    3. Links – Styling hyperlinksBorder
    4. Border creation with CSS
    5. Outline – Outline, border, contents
    6. Margin – Explanation of the use of Margin using CSS
    7. Padding – Possible Padding Values, padding Sides and Properties
  ➢ **Day Six**
    1. Create a web template with menu bar (Project 1)
  ➢ **Day Seven**
    1. Create a web template with menu bar (Project 2)
  ➢ **Day Eight**
    1. Menu bar & dropdown menu bar

❖ **Module 3- JavaScript**
  ➢ **Day Nine**
      1. How to Write JavaScript Code
      2. Where to Insert JavaScript
      3. Understanding JavaScript Statements
      4. Idea on Syntax – Number, String, Expressions, Variables, Operators, Assignments
      5. Commenting and its use in JavaScript
      6. Data Types – String, Number, Array, Object, Null
  ➢ **Day Ten**
      1. Objects – Property, Method
      2. Security – Public, Private, Protected, Global
      3. Function – Arguments, Returns
      4. Events – Event Based Action Handling
      5. Strings – Handling Strings
      6. Math – Handling Math in JavaScript
      7. Arithmetic – Different Arithmetic Operators
      8. Dates – Working with Date, Month, Year, Time etc
  ➢ **Day Eleven**
      1. Array – Working with Array
      2. Boolean – Working with Boolean Type variables
      3. Comparison – Variable Comparison in JavaScript
      4. Condition – If Else Statements, other Condition Handling
      5. Loop – For, Do/While, While loops
      6. Regular Expression
      7. Handling Error
❖ **Module 4- JQUERY**
  ➢ **Day Twelve**
      1. Syntax, Selector, Event – Code Syntax, HTML element Selector & Events
      2. Hide, Show, Fade – Different effects like Hiding, Showing, Fading
  ➢ **Day Thirteen**
      1. Animation – Animate with jQuery
      2. Add & Remove – Add and Remove HTML Elements using jQuery
      3. Get and Set – Get and Set Class or Classes using jQuery
      4. Get() and Post() Method – Send and Retrieve Data within Form and Server
  ➢ **Day Fourteen**
      1. Bootstrap introduction
      2. Bootstrap Installation
      3. Bootstrap Documentation Details
  ➢ **Day Fifteen**
      1. Make a Bootstrap Layout
      2. Bootstrap slider & menubar details

❖ Module 5- SQL

➢ Day Sixteen

1. What is Database
2. What was the traditional way of storing Data
3. What is the modern technology of storing Data
4. How Database Server and Services help us to store and use Data
5. What are the basic Tools for Database Management, Starting with phpMyAdmin
6. Understanding the Interface and Features of php MyAdmin and SQLYog

➢ Day Seventeen

1. Learning the basic features of phpMyAdmin
2. How to Create, Edit, Update, Drop Database from phpMyAdmin
3. How to Create, Edit, Update, Drop Table using phpMyAdmin
4. How to Insert, Update, Delete Data using phpMyAdmin
5. How to Alter Database, Alter Table from phpMyAdmin
6. Creating, Updating, Deleting DB User Privilege and Permission from phpMyAdmin
7. Import and Export Data using phpMyAdmin

➢ Day Eighteen

1. MySQL Intro – How, when and where to use MySQL
2. MySQL Connect – How to get connected to MySQL
3. CREATE Database – How to Create Database
4. DROP Database – How to Drop a Database
5. KEYS- Use and Importance of Primary and Unique Key in Database
6. NULL & NOT NULL – Importance & Contradiction of NULL & NOT NULL
7. AUTO-INCREMENT – How to Auto-Increment in Database
8. DEFAULT – MySQL Default and its use
9. DATE – Date, Time and Timestamps in MySQL Database
10. CREATE Table – How to Create Table using MySQL Query and SQLYog
11. ALTER Table – How to Alter Table using MySQL Query and SQLYog
12. DROP Table – How to Drop Table using MySQL Query and SQLYog

➢ Day Nineteen

1. INSERT INTO – How to insert data in a Data-Tables
2. SELECT – How to select and grab Data from Data-Table (In Different Ways)
3. WHERE – How to select Data from Database using Conditions
4. ORDER BY – How to bring Data from Database in Order
5. GROUP BY – Grouping Database outputs from MySQL
6. UPDATE – How to Update Data in a Data-Table
7. DELETE – How to Delete Data of a Data-Table

❖ Module 6- PHP

➢ **Day Twenty**
1. Syntax, Print / Echo – Basic concepts on PHP
2. Variables, Data Types, Constants – Data Types and Variables in PHP
3. Operators – Operators in PHP Programming
4. If…Else…Else-If – Different conditional statements in PHP
5. Switch – PHP Switch Case
6. Syntax, Print / Echo – Basic concepts on PHP

➢ **Day Twenty One**
1. While Loops – Implementation of While loop
2. For Loops – Practical implementation of for loop
3. Arrays – Array and multi-dimensional data handling
4. Date – Use of Date functions and their Elements
5. String – Working with Strings using PHP

➢ **Day Twenty-Two**
1. Error, Exception – Error and Exception Handling using PHP
2. Custom Functions – Use of Custom Function Development and its Practical uses
3. Library Functions – Trim, Round, Min, Max etc.
4. Class and Object – Understanding Class and Object

➢ **Day Twenty Three**
1. Form Handling – on-Page and off-Page form handling Technique
2. Form Validation – Detailed guideline to use Form in PHP
3. Form Required Field Check – Verifying data that will be accepted by Form
4. Submitting, Receiving and Verifying Form Inputs using PHP
5. Dynamic implementation of Forms (Store Data from Form to Database)
6. Showing Practical on Form Development and its Use

➢ **Day Twenty Four**
1. Form Validation – Advance in PHP

➢ **Day Twenty-Five**
1. CRUD in PHP with OOP (Insert into database)

➢ **Day Twenty-Six**
1. CRUD in PHP with OOP (Image handle)

➢ **Day Twenty-Seven**
1. CRUD in PHP with OOP (Data & Image view)

➢ **Day Twenty-Eight**
1. CRUD in PHP with OOP (Edit & Update)

➢ **Day Twenty Nine**
1. CRUD in PHP with OOP (Delete & unlink image from server)

➢ **Day Thirty**
1. Cookies – How to use Cookies in PHP
2. Sessions – Use of Session, Guideline about Login-Registration System
3. Sign in/Signup
4. Taking a Practice session

➢ **Day Thirty One**
1. Multiple admin create & profile management

➢ **Day Thirty-Two**
1. Admin wise data view & management
2. Career guidelines.