

Diploma in Web Designing (DWD)

Duration: 6 Months

Eligibility: 10th

Timings: 1 hr Theory and 1 hr Practical Class

Syllabus Coverage:

Fundamental of Computer:

Theoretical Work:- Introduction to Computer, Definition of Computer, Computer Characteristics, Classification of Computer, Input/Output Unit- CPU, History & Generations of Computers, Bit & Bytes, Introduction to Computer Hardware-Input & Output Devices, Memory & its types, Introduction to Computer Software & its Classification.

Practical Work: English typing-Tutor (*During theory of Fundamental*)

Operating System:

Theoretical Work:- Operating System- Definition & Function, Introduction to Window & its current versions, Introduction & types of Window.

Practical Works:- Start up window on your CPU & Monitor, Introduction to Window Accessories- Calculator, Note Pad, Word Pad, and Paint & Clock.

HTML & DHTML:

HTML

Theoretical cum Practical Work:- Introduction to HTML, Concept, Versions of HTML, HTML editors, Elements of HTML-Tags/Attributes, To write a HTML document

Minimum Required Tags in HTML-HTML Tag./Head Tag/Title Tag/Body Tag, A Sample of HTML Document, Headings, Paragraphs, Line Break, **Lists-** Number list/Unnumbered List/Definition Lists/Nested List, Type Attribute, Preformatted Text, **Using Links-**WebPages/Mailto/Images, Specify Size of images, **Character Formatting-**Bold/Underline/Italic/Suscripts/Superscripts/Alignment Attribute/Changing Font Size & Color, Setting the Color of Body Background/Text & Links. Background Graphics or Images.

DHTML

Theoretical Cum Practical Work:- Introduction to DHTML, **Table-**Tag/ Border/Cells/Row/ Space/Size/Alignment/Spanning Rows & Columns/Specify Background Color/Creating Table with in Table, **Frames, Using Forms-** Setting Up a Form/Creating a text box/Creating a Radio Button/Creating a Checkbox/Creating a Menu/Creating Buttons a Submit or Accept, Reset or Refresh.

JavaScript:

Theoretical Work:- Introduction to JavaScript, Overview, Difference between JavaScript & Java, Versions of JavaScript, Syntax & Conventions, Writing a Simple JavaScript Program, Variables & their Naming Rules, Variable Scopes, Expressions, Conditional Expressions, Loop Statements-for Statement/while Statements/break Statements/continue Statements, Functions, Arrays, Objects, Event handlers- onClick/onMouseOver/onSubmit/onFocus/onChange/onBlur/onLoad/onunload, Dialog boxes -Alert, Confirm & Prompt

Practical Work:- Script for Creating an Alert Dialog Box, Script for Creating an Prompt Dialog Box, Some Scripts for Practicing in Java.

CSS (Cascading Style Sheet):

Introduction, Levels of Style Sheets, Style Specification Formats, Selector Forms, Property Value Forms, Font Properties, List Properties, Color, Alignment of Text, Box Model, Background Images, Conflict Resolution.

SQL (Structured Query language):

Theoretical Cum Practical Work:- Introduction of Oracle/RDBMS, objectives, SQL*Plus, SQL Command

DDL-Create, Alter, Drop. **DML-** Insert, Delete, Update, select. **DCL-** Grant, Revoke

Creating a table-Constant, Data Types, Operators & Functions, Alter a table, Character set, Identifier, constant, variables

Constraints- Primary key, unique key, check constraint, foreign key. **Joins**

PHP:

Introduction to PHP, Environment setup, Syntax overview, Variable types, Constants, Operators, Decision making, Loops, Arrays, Strings, GET and POST methods, File Inclusion functions, Files and I/O, Functions, Cookies, Session, Login script, File Uploading

Advanced PHP:

PHP and Ajax, PHP & MYSQLI, Error Handling, Date and Time, PHP & XML, PHP forms, Validation

AJAX

Computer Lab Practical

Viva