2.6. Detailed Syllabus

(i) Introduction to Web Design

Introduction of Internet, WWW, What is Website? How the Website Works?, Web pages, Front End, Back End, Client and Server Scripting Languages, Responsive Web Designing, Types of Websites (Static and Dynamic Websites)

(ii) Editors

Notepad, Downloading free Editors: Notepad++, Sublime Text Editor, Making use of Editors, File creation and editing, saving

(iii) HTML

HTML: Introduction, Basic Structure of HTML , Head Section and Elements of Head Section, Formatting Tags :Bold , Italic, Underline, Strikethrough, Div,Pre Tag Anchor links and Named Anchors ImageTag, Paragraphs, Comments, Tables : Attributes –(Border, Cellpadding, Cellspacing , height , width), TR, TH, TD, Rowspan, Colspan Lists : Ordered List , Unordered List , Definition List, Forms, Form Elements, Input types, Input Attriutes, Text Input Text Area, Dropdown, Radio buttons , Check boxes ,Submit and Reset Buttons Frames : Frameset , nested Frames HTML 5 Introduction , HTML5 New Elements: Section , Nav, Article , Aside, Audio Tag, Video Tag, HTML5 Form Validations: Require Attribute, Pattern Attribute , Autofocus Attribute, email, number type, date type , Range type

(iv) CSS

Introduction to CSS, Types of CSS, CSS Selectors : Universal Selector ,ID selector, Tag Selector, Class Selector, Sub Selector, Attribute Selector, Group Selector, CSS Properties : Back Ground properties , Block Properties , Box properties , List properties , Border Properties , Positioning Properties, CSS Lists CSS Tables, CSS Menu Design CSS Image Gallery,

(v) CSS Framework

Web Site Development using W3.CSS Framework, W3.CSS Intro, W3.CSS Colors, W3.CSS Containers, W3.CSS Panels, W3.CSSBorders, W3.CSSFonts, W3.CSS Text, W3.CSS Tables, W3.CSS List, W3.CSSImages, W3.CSS Grid

(vi) Javscript and Angular Js

Introduction to Client Side Scripting Language, Variables in Java Script, Operators in JS, Conditions Statements, JS Popup Boxes, JS Events, Basic Form Validations in JavaScript

(vii) Photo Editor

Features of Photo Editing: Tools: Selection Tools, Paint Tools ,Transform Tools, Text Tool, Layers, Brightness/ Contrast, Improve Colors and tone, Filters

(viii) Web Publishing and Browsing

Overview, SGML, Web hosting Basics, HTML, CGL, Documents Interchange Standards, Components of Web Publishing, Document management, Web Page Design Consideration and Principles, Search and Meta Search Engines, WWW, Browser, HTTP, Publishing Tools.