

## Training Schedule

### Web Designing and Development (622)

(Theory 40 hrs, Practical- 80 hrs)

S. No	Week	Schedule	Topic Name	Instructions to the trainer (theory)	Instructions to the trainer (Practical)	Learning Outcomes
1	1	Day 1	Basics of Computer Network and Communication (3 hrs (Th) + 2 hrs (Pr))	<ul style="list-style-type: none"> <li>Describe the need of computer network.</li> <li>Explain the different types of networks.</li> </ul>	<ul style="list-style-type: none"> <li>Identify the type of network used in your school / institution.</li> <li>Disconnect few computers in the network of your institution / school and connect it again.</li> </ul>	<ul style="list-style-type: none"> <li>Identify different network topologies and list their features.</li> <li>Connect or disconnect computer in a network.</li> </ul>
2	1	Day 2	Basics of Computer Network and Communication (2 hrs (Th) + 3 hrs (Pr))	<ul style="list-style-type: none"> <li>Define network protocol and OSI Model</li> <li>Describe Domain name Service</li> </ul>	<ul style="list-style-type: none"> <li>Explore network devices and use the network devices.</li> </ul>	<ul style="list-style-type: none"> <li>Explain about network devices and domain name service.</li> </ul>
3	2	Day 1	Internet and Services (2 hrs (Th) + 3 hrs (Pr))	<ul style="list-style-type: none"> <li>Describe terminologies used in Internet</li> <li>Explain different Internet Services</li> </ul>	<ul style="list-style-type: none"> <li>Use internet services.</li> </ul>	<ul style="list-style-type: none"> <li>Use of various Internet Services: (Email, FTP, Telnet web search engine)</li> </ul>
4	2	Day 2	Basics of HTML (2 hrs (Th) + 3 hrs (Pr))	<ul style="list-style-type: none"> <li>Formatting a web page using:               <ul style="list-style-type: none"> <li>Section heading tags.</li> <li>Paragraph formatting tags.</li> <li>Character formatting tags.</li> </ul> </li> </ul>	<ul style="list-style-type: none"> <li>Format web pages using section heading tags, paragraph formatting tags and character formatting tags.</li> </ul>	<ul style="list-style-type: none"> <li>Create, save and view a HTML document.</li> </ul>
5	3	Day 1	Basics of HTML (1 hr (Th) + 4	<ul style="list-style-type: none"> <li>Use of graphics in HTML document               <ul style="list-style-type: none"> <li>Image tag and its</li> </ul> </li> </ul>	<ul style="list-style-type: none"> <li>Design a webpage using images /</li> </ul>	<ul style="list-style-type: none"> <li>Design a web page using hypertext</li> </ul>

			hrs (Pr))	attributes ○ Image Maps.	hypertext links / image links.	links, image links
6	3	Day 2	Cascading style sheets (CSS) (1 hr (Th) + 4 hrs (Pr))	<ul style="list-style-type: none"> <li>• Add some colors, fonts, navigation bar</li> </ul>	<ul style="list-style-type: none"> <li>• Design web page – apply CSS</li> </ul>	<ul style="list-style-type: none"> <li>• Apply CSS to a HTML document</li> </ul>
7	4	Day 1	Basics of HTML and CSS (1 hr (Th) + 4 hrs (Pr))	<ul style="list-style-type: none"> <li>• Demonstrate the use of HTML tags with proper example.</li> </ul>	<ul style="list-style-type: none"> <li>• Visit some popular websites and observe the design of the web pages and look and feel of the website.</li> </ul>	<ul style="list-style-type: none"> <li>• Create simple web pages using HTML and CSS.</li> </ul>
8	4	Day 2	Introduction to Universal Accessibility (4 hrs (Th) + 1 hr (Pr))	<ul style="list-style-type: none"> <li>• Explain the concept of web accessibility,</li> <li>• Describe the types of disabilities.</li> </ul>	<ul style="list-style-type: none"> <li>• Use the accessible guidelines and create a webpage.</li> </ul>	<ul style="list-style-type: none"> <li>• Create a web page by following accessible guidelines.</li> </ul>
9	5	Day 1	Planning and Designing a website (3 hrs (Th) + 2 hrs (Pr))	<ul style="list-style-type: none"> <li>• Describe the different types of websites.</li> <li>• Explain the concept of website planning.</li> <li>• Define website components.</li> <li>• Explore different types of open source websites.</li> </ul>	<ul style="list-style-type: none"> <li>• Prepare a website plan and identify website requirements.</li> </ul>	<ul style="list-style-type: none"> <li>• Collect website requirements before beginning the designing of a website.</li> </ul>
10	5	Day 2	Web hosting and Legal aspects (4 hrs (Th) + 1 hr (Pr))	<ul style="list-style-type: none"> <li>• Enlist the features of ISP.</li> <li>• Define the process of buying a domain and their registration.</li> <li>• Describe the website content contribution policy and content review policy.</li> </ul>	<ul style="list-style-type: none"> <li>• Use website policies while designing website.</li> </ul>	<ul style="list-style-type: none"> <li>• Explain various website policies.</li> </ul>
11	6	Day 1	Advanced HTML and CSS (2 hrs (Th) + 3 hrs (Pr))	<ul style="list-style-type: none"> <li>• Create table using HTML tags.</li> <li>• Explain the need of forms.</li> </ul>	<ul style="list-style-type: none"> <li>• Use forms to accept data.</li> </ul>	<ul style="list-style-type: none"> <li>• Create table and use its various attributes using HTML.</li> </ul>
12	6	Day 2	Advanced HTML and	<ul style="list-style-type: none"> <li>• Explain the positioning of</li> </ul>	<ul style="list-style-type: none"> <li>• Add CSS effects to</li> </ul>	<ul style="list-style-type: none"> <li>• Apply CSS to a HTML</li> </ul>

			CSS (1 hr (Th) + 4 hrs (Pr))	HTML elements.	anchor tags, known as links, in a web page.	document
13	7	Day 1	Advanced HTML and CSS (1 hr (Th) + 4 hrs (Pr))	<ul style="list-style-type: none"> <li>• Use HTML and CSS tags for creating forms.</li> </ul>	<ul style="list-style-type: none"> <li>• Create forms - use all the formatting tags in that.</li> </ul>	<ul style="list-style-type: none"> <li>• Create forms in HTML and CSS.</li> </ul>
14	7	Day 2	Dreamweaver (2 hrs (Th) + 3 hrs (Pr))	<ul style="list-style-type: none"> <li>• Manipulate graphics and image objects in webpage.</li> <li>• Add audio and video objects in a webpage.</li> </ul>	<ul style="list-style-type: none"> <li>• Format a webpage</li> </ul>	<ul style="list-style-type: none"> <li>• Create a webpage using Dreamweaver software.</li> </ul>
15	8	Day 1	Dreamweaver (1 hr (Th) + 4 hrs (Pr))	<ul style="list-style-type: none"> <li>• Create a web form.</li> </ul>	<ul style="list-style-type: none"> <li>• Create a new project (defining a site).</li> </ul>	<ul style="list-style-type: none"> <li>• Create forms using Dreamweaver software.</li> </ul>
16	8	Day 2	Dreamweaver (5 hrs Pr)		<ul style="list-style-type: none"> <li>• Create a web page using Dreamweaver software.</li> </ul>	<ul style="list-style-type: none"> <li>• Design web pages and insert audio and video objects in that.</li> </ul>
17	9	Day 1	Scripting (2 hrs (Th) + 3 hrs (Pr))	<ul style="list-style-type: none"> <li>• Use conditional and loop statements.</li> </ul>	<ul style="list-style-type: none"> <li>• Write Methods (Functions).</li> <li>• Handle JavaScript Events.</li> </ul>	<ul style="list-style-type: none"> <li>• Write a JavaScript program.</li> </ul>
18	9	Day 2	Scripting (5 hrs Pr)		<ul style="list-style-type: none"> <li>• Use JavaScript statements in a webpage.</li> </ul>	<ul style="list-style-type: none"> <li>• Create a dynamic web page using JavaScript.</li> </ul>
19	10	Day 1	Introduction to Multimedia (5 hrs (Th))	<ul style="list-style-type: none"> <li>• Describe the usage of multimedia in various fields.</li> <li>• Explore features of a multimedia system.</li> </ul>		<ul style="list-style-type: none"> <li>• Identify hardware and software requirement for multimedia system</li> </ul>
20	10	Day 2	Creating animation using Flash (1 hr (Th) + 4 hrs (Pr))	<ul style="list-style-type: none"> <li>• Enlist components of flash.</li> <li>• Insert frame / keyframe.</li> </ul>	<ul style="list-style-type: none"> <li>• Add special effects to the objects.</li> </ul>	<ul style="list-style-type: none"> <li>• Apply special effects to the objects using Flash software.</li> </ul>
21	11	Day 1	Creating animation using Flash		<ul style="list-style-type: none"> <li>• Convert text / graphics to symbol.</li> </ul>	<ul style="list-style-type: none"> <li>• Create animation using Flash</li> </ul>

			(5 hrs (Pr))			software.
22	11	Day 2	Photoshop (1 hr (Th) + 4 hrs (Pr))	<ul style="list-style-type: none"> <li>• Open an image from a disk.</li> <li>• Explain the purpose of Photoshop software.</li> </ul>	<ul style="list-style-type: none"> <li>• Edit image (enlarge / reduce the size of the image).</li> <li>• Use layers and palettes.</li> </ul>	<ul style="list-style-type: none"> <li>• Edit images using Photoshop software.</li> </ul>
23	12	Day 1	Photoshop (1 hr (Th) + 4 hrs (Pr))	<ul style="list-style-type: none"> <li>• Optimize graphics for web.</li> </ul>	<ul style="list-style-type: none"> <li>• Crop images using Photoshop software.</li> <li>• Improve the quality of the image.</li> </ul>	<ul style="list-style-type: none"> <li>• Use the image editing tool for editing the images using Photoshop software.</li> </ul>
24	12	Day 2	Project work (5 hrs Pr)	<ul style="list-style-type: none"> <li>• Create a website with colourful images and use JavaScript tags for validating the form (if any)</li> </ul>		