

## Training Schedule

### Web Development (660)

(Theory 40 hrs, Practical- 80 hrs)

S.No	Schedule	Topic Name	Instructions to the trainer (Theory)	Instructions to the trainer (Practical)	Learning Outcomes
1	Day 1	Working on documents (2 hrs (Th) + 3 hrs (Pr))	<ul style="list-style-type: none"><li>• Explain what is Open source software and its purpose</li></ul>	<ul style="list-style-type: none"><li>• Create and save text documents and demonstrate it to learners</li><li>• format and print documents and demonstrate it to learners</li></ul>	<ul style="list-style-type: none"><li>• create a text document</li></ul>
2	Day 2	Working on spreadsheets and presentation (2 hrs (Th) + 3 hrs (Pr))	<ul style="list-style-type: none"><li>• Describe the purpose spreadsheet and presentation softwares</li><li>• Explain formulas and functions in spreadsheet</li></ul>	<ul style="list-style-type: none"><li>• Use spreadsheet for analysis and calculations and explain the steps used</li><li>• Use basic inbuilt functions and explain the steps</li><li>• Make presentations using Impress with animation and transition effects and make learners to do a presentation on any topic</li></ul>	<ul style="list-style-type: none"><li>• Use spreadsheet and presentation software</li></ul>
3	Day 1	Creating and saving HTML (1 hr (Th) + 4 hrs (Pr))	<ul style="list-style-type: none"><li>• Explain what is HTML and its purpose</li><li>• Create HTML Document using simple tags and show it to learners</li></ul>	<ul style="list-style-type: none"><li>• Give more examples using HTML tags and show their output</li><li>• Ask them to visit some of the institution / company's website.</li><li>• Observe the website and</li></ul>	<ul style="list-style-type: none"><li>• Create simple web page using HTML tags with images and hyperlinks</li></ul>

				<p>record the look and feel and record of that website in statements.</p> <ul style="list-style-type: none"> <li>• Ask learners to mention the name of tags were used</li> <li>• Use graphics in web page</li> <li>• Work with links</li> </ul>	
4	Day 2	Advanced HTML (1 hr (Th) + 4 hrs (Pr))	<ul style="list-style-type: none"> <li>• Explain what is CSS</li> <li>• Types of CSS</li> </ul>	<ul style="list-style-type: none"> <li>• Applying CSS -- Adding colors, adding fonts, adding a navigation bar, styling the links, putting the style sheet in a separate file</li> </ul>	<ul style="list-style-type: none"> <li>• Apply CSS to a HTML document</li> </ul>
5	Day 1	Introduction to multimedia  Macromedia Flash  (2 hrs (Th) + 3 hrs (Pr))	<ul style="list-style-type: none"> <li>• List out components of a multimedia package</li> <li>• Describe usage of Usage of multimedia in different fields</li> <li>• Explore features of multimedia system</li> <li>• Explain the steps to start Flash</li> </ul>	<ul style="list-style-type: none"> <li>• List components of flash window</li> <li>• Draw tools in Flash</li> </ul>	<ul style="list-style-type: none"> <li>• Create simple flash document and use drawing tools</li> </ul>
6	Day 2	Macromedia Flash  (2 hrs (Th) + 3 hrs (Pr))	<ul style="list-style-type: none"> <li>• Explain the tools used for selection</li> </ul>	<ul style="list-style-type: none"> <li>• Create frame by frame animation</li> </ul>	<ul style="list-style-type: none"> <li>• Create Flash document using Frame by frame animation</li> </ul>
7	Day 1	Dreamweaver (2 hrs (Th) + 3 hrs (Pr))	<ul style="list-style-type: none"> <li>• Explain the purpose of Adobe Dreamweaver</li> </ul>	<ul style="list-style-type: none"> <li>• Create a web page</li> <li>• Format a webpage</li> </ul>	<ul style="list-style-type: none"> <li>• Create a webpage using Dreamweaver software</li> </ul>
8	Day 2	Dreamweaver (2 hrs (Th) + 3 hrs (Pr))	<ul style="list-style-type: none"> <li>• Manipulate graphics and image objects in webpage</li> </ul>	<ul style="list-style-type: none"> <li>• Create a web form</li> <li>• Create a new project</li> </ul>	<ul style="list-style-type: none"> <li>• Create new project using Dreamweaver software</li> </ul>
9	Day 1	Webhosting and legal aspects (2 hrs (Th) + 3	<ul style="list-style-type: none"> <li>• Explain what is webhosting</li> <li>• Types of webhosting</li> </ul>	<ul style="list-style-type: none"> <li>• List of website policies</li> </ul>	<ul style="list-style-type: none"> <li>• Host your website</li> </ul>

		hrs (Pr)			
10	Day 2	Introduction to Universal Accessibility (4 hrs (Th) + 1 hr (Pr))	<ul style="list-style-type: none"> <li>• What is disability?</li> <li>• Types of disabilities</li> <li>• Explain what is Accessibility, web accessibility guidelines</li> </ul>	<ul style="list-style-type: none"> <li>• Create a web page by following the accessibility guidelines</li> </ul>	<ul style="list-style-type: none"> <li>• Use accessibility guidelines while designing web pages</li> </ul>
11	Day 1	Workplace practices (3 hrs (Th) + 2 hrs (Pr))	<ul style="list-style-type: none"> <li>• Communication skills</li> <li>• Copyright</li> </ul>	<ul style="list-style-type: none"> <li>• Practice to follow / use Work ethics</li> </ul>	<ul style="list-style-type: none"> <li>• Follow work ethics at workplaces</li> </ul>
12	Day 2	Advanced HTML (2 hrs (Th) + 3 hrs (Pr))	<ul style="list-style-type: none"> <li>• Explain how to create tables and nested tables in HTML.</li> <li>• Create tables with rowspan and colspan attribute</li> </ul>	<ul style="list-style-type: none"> <li>• Create tables and nested tables</li> <li>• Use rowspan and colspan in table and create different tables and show their output in browser</li> </ul>	<ul style="list-style-type: none"> <li>• Create different tables using HTML tags and make the attractive webpage</li> </ul>
13	Day 1	Advanced HTML (2 hrs (Th) + 3 hrs (Pr))	<ul style="list-style-type: none"> <li>• Explain the purpose of form and steps to create form</li> </ul>	<ul style="list-style-type: none"> <li>• Create forms</li> <li>• Create accessible forms and accessible links</li> </ul>	<ul style="list-style-type: none"> <li>• Create accessible form using HTML tags</li> </ul>
14	Day 2	Scripting (2 hrs (Th) + 3 hrs (Pr))	<ul style="list-style-type: none"> <li>• Explain what is scripting</li> <li>• Use conditional and loop statements</li> </ul>	<ul style="list-style-type: none"> <li>• Create functions</li> <li>• Handle events</li> <li>• Create form validation in JavaScript</li> </ul>	<ul style="list-style-type: none"> <li>• Create static / dynamic webpages</li> </ul>
15	Day 1	Photoshop (2 hrs (Th) + 3 hrs (Pr))	<ul style="list-style-type: none"> <li>• Purpose of layers</li> <li>• List of selection tools</li> </ul>	<ul style="list-style-type: none"> <li>• Create new document</li> <li>• Use of palettes</li> <li>• Crop the picture using crop command</li> <li>• Resize digital images</li> <li>• Optimise graphics for web</li> </ul>	<ul style="list-style-type: none"> <li>• Edit images / pictures using Photoshop software</li> </ul>
16	Day 2	Overview of W3C standards (3 hrs (Th) + 2	<ul style="list-style-type: none"> <li>• Brief history of W3C</li> <li>• W3C standards for HTML and XML</li> <li>• Unicode and its significance</li> </ul>	<ul style="list-style-type: none"> <li>• Use testing tools for websites</li> </ul>	<ul style="list-style-type: none"> <li>• Validate and check code by using testing tools</li> </ul>

		hrs (Pr))	<ul style="list-style-type: none"> <li>List of protocols</li> <li>Tips for web development</li> </ul>		
17	Day 1	Analysis, design and testing of web based applications (3 hrs (Th) + 2 hrs (Pr))	<ul style="list-style-type: none"> <li>Analysis of web based application</li> <li>Designing a web based application</li> <li>Testing</li> <li>Quality of service</li> </ul>	<ul style="list-style-type: none"> <li>Do proper analysis before designing your application</li> <li>Design your web page</li> </ul>	<ul style="list-style-type: none"> <li>Test web pages for - user friendliness / performance / functionality / compatibility</li> </ul>
18	Day 2	Safety and Security (3 hrs (Th) + 2 hrs (Pr))	<ul style="list-style-type: none"> <li>Explain what is breach</li> <li>Types of breaches</li> <li>Cyber security</li> <li>IT Act 2000</li> </ul>	<ul style="list-style-type: none"> <li>Report breaches</li> </ul>	<ul style="list-style-type: none"> <li>Secure a website</li> </ul>
19	Day 1	Case Practice 1 (0 hr (Th) + 5 hrs (Pr))	<ul style="list-style-type: none"> <li>Take the case practice 1 given in practical manual booklet</li> </ul>	<ul style="list-style-type: none"> <li>Collect the related images</li> <li>Edit the required images as per your requirement</li> <li>Resize the images or compress the images for web publishing</li> <li>Create an animation for home page</li> </ul>	<ul style="list-style-type: none"> <li>Create an attractive webpage</li> </ul>
20	Day 2	Case Practice 1 (0 hr (Th) + 5 hrs (Pr))		<ul style="list-style-type: none"> <li>Write content for the web pages</li> <li>Create a website</li> </ul>	<ul style="list-style-type: none"> <li>Create website and check all the webpages are linked</li> </ul>
21	Day 1	Case Practice 2 (0 hr (Th) + 5 hrs (Pr))	<ul style="list-style-type: none"> <li>Take the case practice 2 given in practical manual booklet</li> </ul>	<ul style="list-style-type: none"> <li>Collect the related images</li> <li>Write the code to design a user friendly website</li> <li>Provide all the necessary information like ambulance service details, 24 hour help line number in the website</li> </ul>	<ul style="list-style-type: none"> <li>Create an eye-catching website</li> </ul>
22	Day 2	Case study 2		<ul style="list-style-type: none"> <li>Create</li> </ul>	<ul style="list-style-type: none"> <li>Create a</li> </ul>

		( 0 hr (Th) + 5 hrs (Pr))		registration form for online appointments <ul style="list-style-type: none"> <li>• Test the pages you have designed</li> </ul>	registration form and test the form
23	Day 1	Project ( 0 hr (Th) + 5 hrs (Pr))		<ul style="list-style-type: none"> <li>• Create a website (sample project has given in Practical Manual)</li> </ul>	<ul style="list-style-type: none"> <li>• Create a good-looking website</li> </ul>
24	Day 2	Project ( 0 hr (Th) + 5 hrs (Pr))		<ul style="list-style-type: none"> <li>• Create a website and test the pages</li> </ul>	<ul style="list-style-type: none"> <li>• Create a website and test the code using tools</li> </ul>