



## Web Designing: A Review on Websites Design

*Renu Bala<sup>1</sup>, Suman Lata<sup>2</sup>, Harpreet Kaur<sup>3</sup>*

<sup>1,2,3</sup> *Guru Kashi University, Talwandi Sabo*

### ABSTRACT-

Proper design has become a critical element needed to engage website and mobile application users. Web design refers to the design of websites that are displayed on the internet. Web design used to be focused on designing websites for desktop browsers. We attempt to review on effective design and define a short list of elements. The design elements mentioned most frequently in the reviewed literature were navigation, graphical representation, organization, content utility, purpose, simplicity, and readability [1].

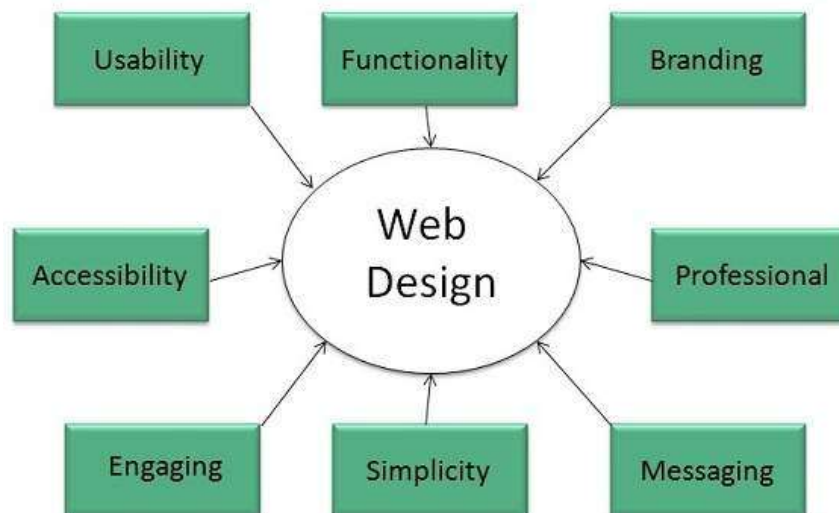
**Keywords-** Website design, usability, navigation, organization, simplicity.

### 1. INTRODUCTION

Web design is the process of creating web sites. Web design refers to the design of web sites that are displayed on the internet. It usually refers to the user experience. Two of most common methods for design the web sites that are responsive and adaptive design. In responsive design, content moves dynamically depending on screen sizes; in adaptive design, the website content is fixed in layout sizes that match common screen sizes. Web designing explains basic HTML and includes essential information about graphics and color. Basic coverage of effective design and functionality helps to create web pages and sites that offer the features of the most popular web destination [2]. Building a web site can become difficult because many technologies are used. Companies are work in teams to develop web application or web sites. These teams are focus on different technologies such as CGI, HTML, JAVASCRIPT, CSS and database [3]. The use of web as an educational, learning and teaching with it a new range of demands and discipline. These are not just concerned with the technology but also should be driven by the educational needs. Successful employment of educational materials on the web is the role of designers who have knowledge of web design [4].

### RELATED SURVEYS

Build interactive, websites with the combination of open-source technologies and web standards, even if you have only basic HTML knowledge. Web designing has direct link to visual aspect of a web site. Effective web site is a necessary to communicate ideas effectively.



Web designing is a subset of web development. However, these terms are used interchangeably. Design plan should include the following:

- Details about information architecture.

- Planned structure of site.
- A site map of pages.

Websites are created using a markup language called HTML. The layout of the elements within a webpage are typically defined using CSS. Therefore, most websites include a combination of HTML and CSS that defines how each page will appear in a browser. With this popular hands-on guide, you will used with the help of today's technologies- PHP, JS, HTML and CSS [5].

**PHP-** PHP is a simple open-source scripting language for creating dynamic web. PHP is used by both programmers who appreciate its flexibility and speed and who value its accessibility and convenience [6].

**JS-** JS stands for java script. Java script is a lightweight, cross platform programming language which is also known as the scripting language for webpages. Java script is the language of web used for programming all major browsers. Java script gives the ability to creating interactive, dynamic pages [7].

**HTML-** HTML stands for hypertext markup language. HTML is used for creating the structure of web pages HTML can be used to create documents which contains styles such as underlined or bold-faced text. It can also be used to mix text, images and sounds in a single document [8].

**CSS-** CSS stands for cascading style sheets that is used to describe the presentation of a document written in HTML or XML. It is a style sheet language which is used to describe the look and formatting of a document written in markup language. It provides additional features to the HTML. CSS used to style and layout all web pages. It covers: layout techniques images, background [9].

### COMPARATIVE ANALYSIS OF CLOUD SIMULATION TOOLS

S.NO.	Parameter	HTML	PHP Server side	JAVA Script Client side	XML
1.	Year	1991	1994	1995	1996
2.	Developer	Tim Berner lee	Rasmus	Brenden Eich (Netscape)	W3C World wide web Consortium
3.	Full Form	Hypertext markup language	Hypertext pre-processor		Extensible markup language
4.	Version	HTML-5	PHP-7	ES2018	1.1
5.	Typing	Notepad			
6.	Run	Browser	Server	Put in HTML Document<script></script>	Open in any text editor Netscape7 and Internet Explorer 5 have in built parser
7.	Filename	.html	.php	.js	.xml
8.	Comments	<! —comment-->	// This is a single-line comment #This is also a single-line comment /* */	Code after double slashes//or between /* and */ is treated as a comment.	/*-----*/ <!-------> 2-dashes are not allowed No single line comment
9.	Case Sensitive	No	Variable name is case sensitive	Yes	Tags are case sensitive
10.	Standardize by	W3C		ECMA(ES)	
11.	Basic structure	<!DOCTYPE html> <html> <head> <title>Title of Webpages</title> </head> <body> <h2>Heading</h2> <p>Paragraph</P> </body> </html>	<?php  Code  ?>	<script>  Body  </script>	<?xml version="1.0"/> (Information About XML Version: OPTIONAL)
12.		Interpreted	Interpreted	Interpreted	Compiled/ Parsed

**DIFFERENCE BETWEEN HTML AND XML**

HTML	XML
HTML stands for hypertext markup language.	XML stands for extensible markup language.
It displays data.	It stores and transport data.
HTML is static because its main function is in the display of data.	XML is dynamic because it is used in the transport of the data.
It is not case sensitive. Upper and lower case are of not much importance in HTML.	It is case sensitive. The upper and lower case needs to be kept in mind while coding.
It has its own pre-defined tags and it is not necessary to have closing tags.	You can define tags as per your requirement but closing tags are mandatory.
Small errors in the coding can be ignored and the outcome can be achieved.	Any errors in the code shall not give the final outcome.

**RESULT AND DISCUSSION**

In this review, we have to know about the web site designing in which HTML is known as structural language for web. Above this layer comes presentation layer and behavioral layer. Since this is structural layer, so as the name suggests, it is used to design the basic structure and the content of the website. Java script is used `<script>-----</script>` tag. This layer is known as a behavioral layer as it provides a dynamic effect to the webpage. Hypertext pre-processor abbreviated as PHP is used with MySQL and many other databases to handle every server-side activity, as it has built-in support for it. XML is also used to create web pages. The design of XML focuses on documents, the language is widely used for representation of data structures such as those used in web services.

**CONCLUSION**

So, these are the roles of HTML, Java script, and PHP in the world of web development. In the last years, the growing development of the internet is related to an extremely competitive context. More specifically, it is possible to emphasis the aspects related to website design. In web design, a good web page design is essential. A bad design will lead to the loss of visitors and that can lead to a loss. In general, a good page layout has to satisfy the basic element of a good page design. This includes color, contrast, text organization, font selection, page size and graphics used. The better page design, the more hits a page will get.

**FUTURE SCOPE**

Web Designing has become the primary source for web developers and websites. Almost every website requires a proper designer. Web design is one of the most important aspects of a website's look, feel, and performance. Therefore, every company with a website needs web designers to make their websites attractive, responsive, and user friendly. The future of web design is bright, as the user interface and user experience will play a significant role in engaging users.

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