Shri Vaishnav Vidyapeeth Vishwavidyalaya, Indore

Shri Vaishnav Institute of Computer Applications

COURSE CODE	CATEGORY	COURSE NAME	L	T	P	CREDITS	TEACHING & EVALUATION SCHEME				
							THEORY			PRACTICAL	
							END SEM University Exam	Two Term Exam	Teacher Assessment*	END SEM University Exam	Teacher Assessment*
CAPG102	GE	Introduction to Web Designing	2	0	2	3	60	20	20	30	20

Legends: L - Lecture; T - Tutorial/Teacher Guided Student Activity; P – Practical; C - Credit; Q/A – Quiz/Assignment/Attendance, MST - Mid Sem Test.

*Teacher Assessment shall be based on following components:
Quiz/Assignment/Project/Participation in class (Given that no component shall be exceed 10 Marks)

Course Objectives:

- Provide an introduction to the fundamental concepts of HTML, CSS, XML, Javascript
- Learn CSS Grid Layout
- Develop basic programming skills using Javascript
- Develop skills in analyzing the usability of a website.
- Understand the principles of creating an effective Web Page.

Course Outcomes:

After completion of this course the students are expected to be able to demonstrate following knowledge, skills and attitudes:

- Define the principle of Web page design.
- Define the basics of Javascript.
- Visualize the basic concept of HTML.
- Recognize the elements of HTML.
- Introduce basics concept of CSS.
- Develop the concept of XML, XSLT, DTD and XPath.

UNIT - I

Introduction to HTML: What is HTML, HTML Documents, SGML, Basic structure of anHTML document, Text Elements, Tag Elements, Special Character elements,Image tags,HTML Table tags and lists, Anchor tag, Name tag, Hyperlinks – FTP/HTTP/HTTPS, Links tosend email messages, Text and Background fonts and styles.

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UNIT – II

Marquee Behavior. Forms related tags. (Action, method, name, input etc.), HTML Media Tags: Inserting audio/video files. Screen / Media control attributes, HTML Object.

UNIT – III

CSS: Concept of CSS. Creating Style Sheet, CSS Properties, CSS Styling (Background, Text Format, Controlling Fonts). Working with block elements and objects, Working with Lists and Tables.

UNIT-IV

XML:XML: Introduction of XML, Cross scripting of XML, XML as intermediate language, difference between XML and HTML, Elements, Attributes, Namespaces, Creating XML documents,
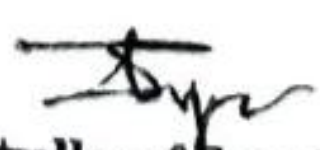
UNIT-V

Javascript: Introduction to Javascript, Identifier and Operator, Control Structure, Functions DOM, Numbers and String Functions, Arrays and Event handling in Javascript.
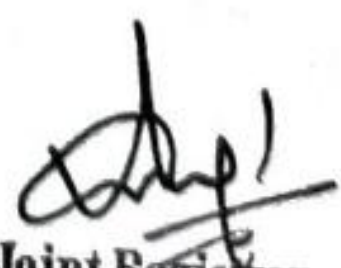
List of Practical:
1. Develop a webpage using Form tag.
2. Develop a webpage using different HTML tags.
3. Develop a webpage using Table tag.
4. Develop a webpage using Frame tag.

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5. Develop a static website using HTML tags.

6. Creating XML documents.

7. Creating DTD to validate XML documents.

8. Creating XSLT Stylesheet for formatting data.

9. Develop a Javascript Form.

10. Creating a Javascript POPUP Message.

11. Change Link colors using CSS

12. Create a TextBox using CSS

13. Center-Align elements using CSS

14. Adjust padding using CSS

15. Make a Link Button using CSS

Text Books:

1. Jennifer Robbins ,"Learning Web Design:A beginner's guide to HTML, CSS, Javascript and Web Graphics", 5th Edition,Oreilly,2018

2. Doug Tidwell, "XSLT: Mastering XML Transformations",2nd Edition, Oreilly, June 2009

3. Jon Duckett,"Javascript and Jquery:Interactive Front-End Web Development",1st Edition,Wiley,July 2014

Reference Books:

1. Craig Granell ,"The Essential Guide to CSS and HTML Web Design", 3th Edition,Apress,March 2008

2. Jon Duckett, "HTML and CSS:Design and Build Websites", 1st Edition, Wiley, November 2011

3. Michael Kay," XSLT Programmer's Reference",Wrox Press Ltd, 1 April 2000

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