

<b>Branch Name:</b>	IMCA
<b>Program Code:</b>	CS301
<b>Course Name:</b>	Fundamental of Web-I
<b>Course Code:</b>	1CS3010102T
<b>Pre-requisite Course:</b>	Working knowledge of Internet and Basic of computer

**Course Objectives:**

1. CSS provides powerful control over the presentation of an HTML document
2. To develop the skill & knowledge of Web page design.
3. User friendly and an open technology and it gives better performance.
4. To be able to learn core concepts of web programming using HTML and CSS
5. To design and implement dynamic websites with a good sense of designing and latest technical aspects.

**Teaching and Examination Scheme:**

Teaching Scheme (Hours per week)				Evaluation Scheme (Marks)				
Lecture (L)	Tutorial (T)	Practical (P)	Credit	Theory (Marks)		Practical (Marks)		Total (Marks)
				University Assessment	Continuous Assessment	University Assessment	Continuous Assessment	
4	-	-	4	60	40	-	-	100

**Course Contents:**

Unit No	Topic	Total Hours	Weightage (%)
1	<p><b>Introduction of Web Technology:</b> Web pages, Web browser, Web Server, Web Development, Frontend development, Backend development, Five Golden rules of web designing, Planning process of web designing.</p> <p><b>Basic in Web Design:</b> Brief history of internet, Overview of Protocols – Simple Mail Transfer Protocol, Telnet, Emails, HyperText Transfer Protocol, Client server computing concepts. Introduction of the world wide web, What is navigation bar? , Type of navigation bar, What is home page?, Web standard</p>	10	25

2	<p><b>Introduction to HTML:</b> What is HTML , HTML Documents , Basic structure of an HTML document , What you need to do to get going and make your first HTML page, Creating an HTML document , Markup Tags , Heading-Paragraphs , Line Breaks , HTML Tags and Attributes</p> <p><b>Basic Elements of HTML:</b> Introduction to elements of HTML, HTML Tag vs. Element, Type of elements</p> <p><b>Basic Formatting Tags:</b> Formatting Tags, Text Level Formatting, Text Styles and Text Arrangements, Text, Effects, Block Level Formatting , Exposure to Various Tags (DIV, SPAN, MARQUEE, NOBR, HR, Comment, IMG), Colour and Background of Web Pages</p> <p><b>Working with list and hyperlinks:</b> <b>List :</b> Introduction to list, type of list(Order list, Un order list, Definition list), <b>Working with Hyperlinks</b>, Images and Multimedia, Working with Forms and controls.</p>	12	25
3	<p><b>Working with tables ,frame and form:</b> <b>Tables :</b> Introduction To Html Tables and Their Structure, The Table Tags, Alignment, Aligning Entire Table, Alignment within a Row, Alignment within a Cell, Attributes, Content Summary, Background Colour, Adding a Caption, Setting the Width, Adding a Border, Spacing Within a Cells, Spanning Multiple Rows or Columns, Elements that and be Placed in a Table, Table Sections and Column Properties, Table as a Design Tool.,</p> <p><b>Frame :</b> Introduction to Frames, Applications, Frames document, The &lt;FRAMESET&gt; tag, Nesting &lt;FRAMESET&gt; tag, Placing content in frames with the &lt;FRAME&gt; Tag, Targeting named Frames, Creating Floating Frames</p> <p><b>Form :</b> Creating Forms, The &lt;FORM&gt; tag, Named Input fields, The &lt;INPUT&gt; tag, Multiple lines text windows, Drop Down and List Boxes, Hidden, Text, Text Area, Password, File Upload, Button, Submit, Reset, Radio, Checkbox, Select, Option, Forms and Scripting, Action Buttons, Labeling input files, Grouping related fields, Disabled and read-only fields, Form field event handlers, Passing form data</p>	10	25
4	<p><b>CSS-Introduction</b> Benefits of CSS, CSS Versions History, CSS Syntax, External Style Sheet using &lt;link&gt;,Multiple Style Sheets, Value Lengths and Percentages, CSS Syntax ,single Style Sheets, Multiple Style Sheets, Value Lengths and Percentages</p> <p><b>CSS-Selectors</b> ID Selectors, Class Selectors, Grouping Selectors, Universal Selector, Descendant/Child Selectors, Attribute Selectors, CSS - Pseudo Classes</p> <p><b>CSS Property:</b> Color Background , Text Fonts, Background Image, Lists Tables, Box Model , Display Positioning, CSS Floats,</p>	12	25

**Text Books:**

1. Advance CSS by Kailash Chandra Upadhyay
2. Wilbert O. Galitz, The Essentials Guide to User Interface Design, Wiley
3. World Wide Web design with HTML C Xavier; TMH

**Reference Books:**

1. Faithe Wempen, “Step by Step HTML 5”, South Asian Edition, Microsoft Press and PHI Learning
2. Rob Larsen, Beginning HTML and CSS, WROX
3. Wendy Willard, “HTML: A Beginner's Guide 5/E”, 5th Edition, McGraw Hill
4. Richard Clark, Oli S. - Christopher M., Divya M. - Beginning HTML5 and CSS3 - Apress
5. Ivan Bayross, “Web Enabled Commercial Application Development Using HTML, DHTML,
6. HTML Black Book Steven Holzner; Dreamtech Press

**List of Open Source Software/learning website:**

1. [www.w3school.com](http://www.w3school.com)
3. [www.tutorialspoint.com](http://www.tutorialspoint.com)
4. [www.geeksforgeeks.org](http://www.geeksforgeeks.org)
5. [www.javatpoint.com](http://www.javatpoint.com)

**Course Learning Outcomes (CLO): On completion of this course, the students will be able to:**

CLO	Description	Bloom's Taxonomy Level
CLO1	Develop a static webpage by the use of HTML	2. Understanding
CLO2	Understand the basic concept of css	2 Understanding,
CLO3	Design appropriate user interfaces and implements webpage based on given problem Statement	3 Applying,
CLO4	Implement concept and property of CSS	3 Applying,
CLO5	Design different layout of website using HTML & CSS	3 Applying,
CLO6	Design the form element using HTML & CSS	3 Applying, 6 Creating

**Mapping of CLOs with Pos & PSOs**

Course Learning Outcomes	Program Outcomes (POs)												Program Specific Outcomes (PSOs)	
	PO1	PO2	PO3	PO4	PO5	PO6	PO7	PO8	PO9	PO10	PO11	PO12	PSO1	PSO2
CLO1	M	L	M		M	H		L	L		L	M	M	M
CLO2	L		M		H		M		H		L		M	M
CLO3		M	H	L		L		L	M	L	M	L	M	L
CLO4		L	H		M			L		L	L		M	
CLO5	M		H		M			L	M		M	L	L	M
CLO6	H	L	M		L		L		L		L	M	L	L

**H: High, M: Medium, L: Low**