SANKALCHAND PATEL UNIVERSITY
|| अथातो ज्ञानजिज्ञासा ||

Branch Name:	IMCA
ProgramCode:	**CS301**
CourseName:	Fundamental of Web-II
CourseCode:	**1CS301020T**
Pre-requisiteCourse:	Working knowledge of HTML & Basic of CSS

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

Subject Contents:

Unit No	Topic	Total Hours	Weightage (%)
1	**Advance Style sheet** Animation, @keyframes rule, Translate, Box sizing, Flex box, Transform, Transition, Grid, Layout, Table, Navigation bar, Pagination **Bootstrap**: Introduction, Advantage of bootstrap, what is responsive web page, Features of bootstrap, Bootstrap Grid, What is Container, Bootstrap table, Display responsive Images, Bootstrap Form Layout, Bootstrap Component, Navbar Component	10	25
2	**JavaScript** Overview of Java Script, Data type and variable, Variable life time, Java script falsy expression, Operators and Expressions, Conditional Statement, Control Statement , Arrays , Functions , DOM, Event Handling, object Closure, oops concept in java script, form Validation	12	25
3	**JQuery** Introduction, Install and use of jQuery library, jQuery syntax, jquery initialization block, jQuery selector, jquery css classes, jquery DOM function, Handling event , Handling effect, describing call back functions, methods, manipulators, exploring jQuery and AJAX **JSON** Overview, Syntax, Data Types, Parsing JSON, Stringify, Objects, json array, Schema, Serializing into JSON	10	25
4	**AJAX**	12	25

| | Introduction, XMLHttpRequest object, Exploring AJAX, Loading simple data, getting json data, passing data to server, creating a simple AJAX Application. Jquery.ajax () method, jquery.get () method, jquery.post () method, Exploring interactions between AJAX and PHP, validating fields Using AJAX, retrieving data from a Database using PHP and AJAX | | |

Text Books:

1. Advance CSS by Kailash Chandra Upadhyay
2. Javascript and JQuery by Jon Duckett
3. Dynamic HTML – The Definitive Reference O'Reilly 1st edition

Reference Books:

1. Faithe Wempen, "Step by Step HTML 5", South Asian Edition, Microsoft Press and PHI Learning
0. Adam Freeman Pro jQuery 2.0 Apress Latest Edition
1. Lee Babin, Beginning Ajax with PHP From Novice to Professional Apress Latest Edition
2. Jeremy McPeak Beginning JavaScript Wrox Publication Latest Edition
3. Ivan Bayross, "Web Enabled Commercial Application Development Using HTML, DHTML,

List of Open Source Software/learning website:

1. www.w3school.com
3. www.tutorialspoint.com
4. www.geeksforgeeks.org
5. 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 dynamic webpage by the use of java script and DHTML	6 Creating
CLO2	Understand the basic concept of css, json, javascript and ajax	2 Understanding,
CLO3	Design appropriate user interfaces and implements webpage based on given problem Statement	3 Applying,
CLO4	Implement concept and method of Ajax	3 Applying,
CLO5	Design different layout of website using CSS3	3 Applying,
CLO6	Validate the form element using java script	2. Understanding 3 Applying,

Mapping of CLOs with Pos & PSOs

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