CHAROTAR UNIVERSITY OF SCIENCE & TECHNOLOGY

Devang Patel Institute of Advance Technology and Research

Practical List

Subject Name: Web Technologies

Subject Code: CE247

Semester: IV (CE/CSE)

Academic Year: 2019-20

Part–1 (HTML 4.01) (4Hours)

Sr. No.	Practical	Hours Required
1	Study following HTML4.01 tags along with necessary attributes: Doctype and Basic structure tags, Heading tags, Meta tags, Paragraphs, Text Formatting tags, Link tags, List tag, Image, Table, Form, Iframe, HTML Encode	2
2	Create Personal Home page using all above HTML tags. Create layout of web page using div tag.	2

Part–2 (HTML 5) (8Hours)

Sr. No.	Practical	Hours Required
1	Study and Implement new tags which are added into HTML5 along with required attributes.	
2	Create registration form for social networking website using HTML5 form tag and attributes. Apply necessary validation using HTML5 pattern attributes which Specifies a regular expression to check th input value against.	4
3	Create different graphics using HTML CANVAS. Apply required properties and methods.	
4	Study HTML5 APIs.	4

Part–3(CSS2.0)(8 Hours)

No	Practical	Hours Required
1	Implement following properties of CSS 2.0. 1. Background, Font and Text 2. Margin, Padding and Border (Box Model) 3. Table 4. Display 5. Position 6. Floating 7. Pseudo elements	4
2	Create Cascading menu using CSS2.0.	2
3	Create an overlay div with CSS2.0	2

Part–4(CSS3.0) (6Hours)

Sr No	Practical	Hours Required
1	Implement Back grounds and Borders properties using CSS 3.0	4
2	Implement Text Effects properties using CSS 3.0	
3	Implement 2Dand 3D Transform properties using CSS 3.0	
4	Implement Animations properties using CSS 3.0	
5	Implement Multiple Column Layout properties using CSS 3.0	
6	Implement User Interface properties using CSS 3.0	
7	Refer Practical 2 and apply flexible layout to your page.	2

Part–5 (Java Scripts & DOM) (10Hours)

SrNo	Practical	Hours Required
1	Create JavaScript function for basic arithmetic operations (Addition, Subtraction, Multiplication and Division). Create proper design layout which asks two numbers to enter from user and display result of respective operation on clicking respective button.	2

2	Create HTML form like any registration form with all necessary controls. Write a JavaScript which retrieve possible value from all controls and display on webpage. Use some style rules to format	2

3	Create JavaScript for form Validation for following tasks
	    a. Text box must have required value.
	    b. Textbox must accept only letters.
	    c. Textbox must accept only numbers.
	    d. Textbox must contain character in the range of 6-12.
	    e. Compare entered password and confirmed password.
	    f. Check whether radio button, check box or dropdown box has selected or not.
	    g. Email validation.
	    h. Mobile number validation.
	Design proper HTML form and perform all above task.
		4

4	Create Dynamic table using DOM which perform following tasks:
	    ● Add new Row and Column
	    ● Delete Row and cell.
		2

Part–6 (BASICJQUERY)(6Hours)

Sr. No.	Practical	Hours Required

1	Implement following tasks using jQuery:
	    ● Sliding page elements
	    ● Hiding and Showing elements
	    ● Fading elements
	    ● Toggling elements
	    ● Stopping effects
		4

2	Create Animated Login form.	2

Part–7 (BASICJ PHP (4Hours)

Sr. No.	Practical	Hours Required
1	Installation and configuration of WAMP/XAMPP	2
2	Study and demonstrate php syntax, data type, variable, function, array, superglobal variable and form.	2
3	Study and demonstrate mysqli connection and CRUID operations with php.	4

Advance Practical List

Sr. No.	New Practicals	Hours Required
1	Study and demonstration of Bootstrap	2
2	Design a page using AngularJS and NodeJS	2
3	Installation and configuration of BootStrap. Create theme and layout using Bootstrap.	2
4	Create a JavaScript to manage session information.	2
5	Study and demonstrate Nodejs	2
6	Write a JQuery code to send login information to the web server Using AJAX and the process response.	2