Assignments

No	Question	Objective	Key words
	CLIENT SIDE- XHTML,CSS &JavaScript		

1	Select a topic of your own interest and develop a web site using HTML. Include the following in the web page.
	  a. The basic formatting elements
	  b. Tables
	  c. Frames
	  d. An image with Alt text, Image as link
	  e. Inline frames for advertisements
	  f. Anchors
	  g. Ordered or unordered lists
	Use NOTEPAD or similar Text Editor Only
		• Familiarize basic HTML syntax
		• Design single page web documents
		• Design web pages with Frames
			Html

2	In the pages of the above web site
	  a. Read input through prompt box and display in the web page
	  b. The different mouse events need to be captured in the body tag and displayed on the status bar
	  c. Create a new web page in your web site for new user registration. Use all the different Form elements and validate them.
	Use NOTEPAD or similar Text Editor Only
		• Create Html pages to take input from user.
		• Validate client side data using Javascript.
			HTML Form, Java Script

3	a. Read the no. of subjects and the marks of each subject in a loop. Calculate the average mark and assign a grade based on the average mark obtained. Use a prompt box to read the input. b. Read the principal amount and compound interest rate from the user and calculate the compound interest after n years. The year and the total amount n deposit for all the in between years need to be displayed in an HTML table. Use Math.pow function.	• Familiarize basic Java Script syntax	Javascript
4	Use NOTEPAD or similar Text Editor Only **Create a** course management web site. The site must contain the following components: o A minimum of three pages(Home, Projects, and Lab Assignments) o A copyright statement o A title somewhere on each page providing the user with information on what	• Familiarize basic CSS syntax • Design HTML pages with style sheets • Demonstrate the separation of content	HTML,CSS

page they are viewing
o A minimum of one image per page
make sure that your home page is called index.html

add an external style sheet to your course management Web site by adding at least the following rules:

- Background color, margins, font family, font size
- One Class
- One ID

Examples of styles you can use:

- Background color
- Font color
- Font family
- Font weight
- Text alignment
- Padding
- Margins
- Letter spacing
- Line height
- Text decoration
- Drop cap

The text links must include the following *decorations*:
o a:link = Verdana, 16 pt., red, no underline
o a:visited = Verdana, 16 pt., green, no underline
o a:hover = Verdana, 18 pt., bold, red, no underline.
o a:active = same as above
Text: Your body text should be in Verdana, 10 pt. and should include **leading** of 1.5 lines.
Headings: You should also include at least one section heading in your content space that is Geneva, bold, 16 pt., uppercase.
Set the table's **caption** to display with a bold, italic font
Set the table's **head** section to display with a the background-color of navy and the text color of white
Set the table's **footer** section to display with a the background-color of white, the text color of navy, and the text centered aligned.

from style

5	a. Read a colour from the user in a prompt box and set the background of the page with that colour. b. Define two style classes for fond inside the style tag. Ask the user for the style class and set the fond of the body accordingly.		DOM
	SERVER SIDE – PHP and MySql		
	Use Dreamweaver or similar web designing tools for all the following programs		
1	a. Create your first Php program which displays some Html output in the browser. Also define any constant in the program and display it using *echo*. b. Create a Php program to display the configuration of current environment and configuration of Php. c. Create a program to display all the global associative arrays available in Php inside an HTML table. d. Create a program to display the server environment information in a similar HTML table. The program should contain the include statement to include another Php program containing the code to display the associative array in HTML table.	• Familiarize basic Php syntax • Create simple web programs with Php.	Php Basics
2	Create an HTML form to read the register no, name and preferred elective subject from the student in an Html page. Create Php programs to do the following. a. Use GET method to submit the form and display the form data in the next page using $_GET b. Use POST method to submit the form and display the form data in the next page using $_POST c. The form data need to be displayed in the next page irrespective of the HTTP method used. The HTTP method used also need to be displayed along with the data in next page. d. In the above HTML page, give a link like 'Click here for the guest login'. Then the link need to contain URL encoded data for the register no, name and elective. Display them in the next page.	• Process HTML Forms using $_GET,$_POST and $_REQUEST	Php Form processing
3	Do the above form processing using a single Php program to display the HTML form and to process the form data a. By detecting whether the submit button has been clicked or not. b. By distinguishing between GET and POST methods	• Use Php to generate HTML and process form	Php Form processing
4	Create a student registration form using the various HTML Form elements. Validate the data using Php regular expressions. Display all the data entered by the user in the next page.	• Read all the HTML form elements • Do server side data validation	Php Form processing

5	The data read from the user in the above page need to be stored in the corresponding MySql tables. Add the following functionalities to the above Web page.
	Provide buttons/links to
	   a. display details of all the registered students
	   b. delete a particular student.
	   c. Update the details of a particular student
		• Do database programming in PHP
		• Use MySql databases
			Php MySQL

6	Provide login facility for each of the registered students of the above page. Apply state management techniques to remember the user in the subsequent pages.
	   a. After the user logs in (check against a database), read 5 subjects and the marks obtained in the next page. Display the username, subjects, marks and average mark in the third page – using hidden fields
	   b. Do the above using query strings.
	   c. Do the above using session memory.
	   d. The current semester subject names should automatically come in the above text boxes for the student's subsequent login – use cookie
		• Use state management using hidden fields, query string, cookies and sessions	Php State management techniques

Course facilitator: Manjusha Nair