AMITY UNIVERSITY
MADHYA PRADESH
Established vide Government of Madhya Pradesh Act No. 27 of 2010

DEPARTMENT OF COMPUTER SCIENCE AND ENGINEERING
Course Handout
Course: WEB TECHNOLOGIES LAB
Course Code : CSE 525, Crédits : 01, Session: 2023-27(Odd Sem.), Class : B.Tech. 3rd Year

Introduction:

The objective of this course is to develop an ability to design and implement static and dynamic website.

Course Outcomes:

At the end of the course, students will be able to:

CO1. Design and implement dynamic websites with a good aesthetic sense of designing and the latesttechnical know-how.

CO2. Understanding of Web Application Terminologies, Internet Tools, E-Commerce, and other webservices.

CO3. Create a web page using HTML and CSS.

CO4. Implement the concepts of Javascript and database to design an interactive web page.

CO5. Implement PHP concepts in web designing.

Syllabus

Lab assignment will be based on the following:

1. Write an HTML code to display your education details in a tabular format. **(1 Hours)**
2. Write an HTML code to display your CV on a web page. **(1 Hours)**
3. Write an HTML code to create a Home page having three links: About Us, Our Services and Contact Us.Create separate web pages for the three links. **(1 Hours)**
4. Write an HTML code to create a login form. On submitting the form, the user should get navigated to aprofile page. **(1 Hours)**
5. Write an HTML code to create a Registration Form. On submitting the form, the user should be asked tologin with these new credentials. **(2 Hours)**
6. Write an HTML code to create your Institute website, Department Website and Tutorial website for aspecific subject. **(2 Hours)**

7. Write an HTML code to illustrate the usage of the following:
   - Ordered List
   - Unordered List
   - Definition List. **(2 Hours)**
8. Write an HTML code to create a frameset having header, navigation, and content sections: **(2 Hours)**
9. Write an HTML code to demonstrate the usage of inline CSS. **(2 Hours)**
10. Write an HTML code to demonstrate the usage of internal CSS. **(2 Hours)**
11. Write an HTML code to demonstrate the usage of external CSS. **(2 Hours)**
12. Write a Javascript to prompt for the user's name and display it on the screen. **(2 Hours)**
13. Design an HTML form for keeping the student's record and validate it using Javascript. **(2 Hours)**
14. Write an HTML program to design an entry form of student details and send it to store a database serverlike SQL, Oracle, or MS Access. **(2 Hours)**
15. Write programs using a Java script for Web Page to display browser information. **(2 Hours)**
16. Create an applet that will have a line, an Oval & a Rectangle. **(2 Hours)**
17. Write a program using PHP and HTML to create a form and display the details entered by the user. **(2 Hours)**

Examination Scheme:

IA			EE			
A	**PR**	**Practical Based Test**	**Major Experiment**	**Minor Experiment**	**LR**	**Viva**
5	10	15	35	15	10	10

Note: IA – Internal Assessment, EE - External Exam, A - Attendance, PR- Performance, LR – Lab Record, V – Viva.

Lab Plan

Lab Session	**Program Name**	**Mapped CO**	**Mode of AssessingCO**
Lab 1	Write an HTML code to display your education details in a tabular format & Write an HTML code todisplay your CV on a web page	**CO1**	Viva/Quiz/Practical Performance
Lab 2	Write an HTML code to create aHome page having three links: About Us, Our Services and Contact Us. Create separate webpages for the three links & Write an HTML code to create a login form. On submitting the form, the user should get navigated to a profile page:	**CO1**	Viva/Quiz/Practical Performance

Lab 3	Write an HTML code to create a Registration Form. On submitting the form, the user should be asked to login with these new credentials	**CO1**	Viva/Quiz/Practical Performance
Lab 4	Write an HTML code to create your Institute website, Department Website, and Tutorial website for a specific subject:	**CO1**	Viva/Quiz/Practical Performance
Lab 5	Write an HTML code to illustrate the usage of the following: Ordered List Unordered List Definition List:	**CO1**	Viva/Quiz/Practical Performance
Lab 6	Write an HTML code to create a frameset having header, navigation, and content sections	**CO1**	Viva/Quiz/Practical Performance
Lab 7	Write an HTML code to demonstrate the usage of inline,internal & external CSS.	**CO2**	Viva/Quiz/Practical Performance
Lab 8	Write a Javascript to prompt for the user's name and display it on the screen	**CO3**	Viva/Quiz/Practical Performance
Lab 9	Design HTML form for keeping the students' records and validate it using Javascript	**CO3**	Viva/Quiz/Practical Performance
Lab 10	Write an HTML program to design an entry form of student details and send it to store a database server like SQL, Oracle, or MS Access	**CO3**	Viva/Quiz/Practical Performance
Lab 11	Write programs using a Java script for Web Page to display browsers' information	**CO3**	Viva/Quiz/Practical Performance
Lab 12	Create an applet that will have a line, an Oval & a Rectangle & Write a program using PHP and HTML to create a form and display the details entered by the user	**CO4**	Viva/Quiz/Practical Performance
Lab 13	Design an HTML form for keeping the student's record and validate it using Javascript.	**CO4**	Viva/Quiz/Practical Performance
Lab 14	Write programs using a Java script for Web Page to display browser information.	**CO5**	Viva/Quiz/Practical Performance
Lab 15	Write an HTML program to design an entry form of student details and send it to store a database server like SQL, Oracle, or MS Access.	**CO5**	Viva/Quiz/Practical Performance
Lab 16	Create an applet that will have a line, an Oval & a Rectangle.	**CO5**	Viva/Quiz/Practical Performance

Lab 17	Write a program using PHP and HTML to create a form and display the details entered by the user.	**CO5**	Viva/Quiz/Practical Performance

Course Articulation Matrix (Mapping of COs with POs)

	PO 1	**PO 2**	**PO 3**	**PO 4**	**PO 5**	**PO 6**	**PO 7**	**PO 8**	**PO 9**	**PO 10**	**PO 11**	**PO 12**	**PSO 1**	**PSO 2**	**PSO 3**	**PSO 4**
CO1	--	--	--	2	--	--	--	--	--	--	--	--	1	--	--	--
CO2	--	--	--		--	--	--	--	--	--	--	--		--	--	1
CO3	--	--	--	2	--	--	--	--	--	--	--	--		--	--	1
CO4	--	--	2	--	--	--	--	--	--	--	--	--	1	--	--	1
CO5	--	--	2	--	--	--	--	--	--	--	--	--	1	--	--	--

1: strongly related, 2: moderately related and 3: weakly related