Department of Liberal Education
Era University, Lucknow
Course Outline
Effective From: 2023-24

Name of the Program	B.A. / B.Sc. (LIBERAL EDUCATION)			Year/ Semester:		3rd /5th
Course Name	Web Technologies Lab	Course Code:	CS305P	Type:		Practical
Credits	01			Total Practical Hours:		30
Evaluation Spread	Internal Continuous Assessment:	10 Marks		End Term Exam:		15 Marks
Type of Course	○ Compulsory		● Core		○ Creative	○ Life Skill
Course Objectives	• To learn and apply the basic tags of HTML for creating web pages. • To learn and create web pages using the multimedia tags of HTML. • To learn hyperlink and frame tag and create web pages using them. • To learn JavaScript scripting language and make validations on web pages using JavaScript.					
Course Outcomes (CO): *After the successful course completion, learners will develop following attributes:*						
Course Outcome (CO)	Attributes					
CO1	Able to create web page(s) using HTML tags.					
CO2	Able to create web page(s) using multimedia tags of HTML.					
CO3	Able to link and make frames in webpage.					
CO4	Able to implement Client Side and Server Side validations of web page using JavaScript					
Pedagogy	Interactive, discussion-based, student-centered, program outputs.					
Internal Evaluation Mode	Experiment-Writing and Conductance File Maintenance/ Laboratory Record Continuous Attendance and Participation					

Practical No.	Experiments	Contact Hours	Mapped CO
1.	• Design a web page to display your CV. • Design an HTML page using links, list, table tag, etc	4	CO1, CO2
2.	• Design an HTML form for railway reservations. • Design an HTML form for user registration.	6	CO2

3.	• In the form mentioned in problem 3 to reserve a railway ticket add the following validations using JavaScript.
	    i. From City A to City B.
	    ii. Age of passengers should not be greater than 100.
	    iii. Name of the passenger should be a string of a maximum length of 20.
	 • In the form mentioned in problem 4 add validation using JavaScript.
		6	CO3

| 4. | • Write a JavaScript to prompt for username and display a welcome message and username.
• Write a program to Sum and multiply two numbers using JavaScript. | 6 | **CO2, CO4** |
| 5. | • Write a program to print date using JavaScript.
• Write a JavaScript program to print the contents of the current window.
• Write a JavaScript program to find the area of a triangle. | 8 | **CO3, CO4** |

CO-PO and PSO Mapping

CO	PO1	PO2	PO3	PO4	PO5	PO6	PO7	PO8	PSO1	PSO2	PSO3	PSO4	PSO5	PSO6
CO1	2	1		1	2	2	1	2	3	2	1	2	2	1
CO2	2	3	1	1	1	1	2	2	1	2	1	1	2	2
CO3	1	2	1	1	1		1		2	1	1	1	2	1
CO4	2	1				1	2	2	2	3	1	2	1	1

Strong contribution-3,   Average contribution-2 ,   Low contribution-1,

Suggested Readings:

| Reference Books | 1. Complete Reference HTML T. A. Powell, Third Edition, TMH, 2002.
2. ASP.NET Developers Guide, G. Buczek, TMH, 2002 |
| E-Resources | • https://onlinecourses.swayam2.ac.in/aic22_ts42/preview
• https://www.tutorialspoint.com/the_ultimate_canva_graphic_design_course/index.asp |

Internal Practical Evaluation:

Component	Marks
Experiment-Writing and Conductance	5
File Maintenance/ Laboratory Record	2
Continuous Attendance and Participation	1
Viva-Voce	2
Total Marks	10

| Course created by: Dr. Mohd Haleem

Signature: | Approved by: Prof. Mansaf Alam

Signature: |