UPES
UNIVERSITY WITH A PURPOSE

Year : 2023-24
Semester : I

1. Name of Faculty : Dhiviya Rose J
2. Course : Web Technologies
3. Program : MCA
4. Target : 45%

Course Code:
L: 3
T: 0
P: 0
C: 3

COURSE PLAN

Target	45% (marks)
Level-1	35% (population)
Level-2	45% (population)
Level-3	55% (population)

1. Method of Evaluation

UG	PG ✔
Quizzes/Tests, Assignments (30%)	Quizzes/Tests, Assignments, seminar (50%)
Mid Examination (20%)	End semester (50%)
End examination (50%)	

2. Passing Criteria

Scale	PG ✔	UG
Out of 10 point scale	SGPA – "6.00" in each semester CGPA – "6.00" Min. Individual Course Grade – "C" Course Grade Point – "4.0"	SGPA – "5.0" in each semester CGPA – "5.0" Min. Individual Course Grade – "C" Course Grade Point – "4.0"

*for PG, passing marks are 40/100 in a paper
*for UG, passing marks are 35/100 in a paper

3. Pedagogy

Remedial Sessions (10%)	(Discussion on the asynchronous queries, doubts or discussions)
Question Based Learning 20%	The students are supposed to frame their own questions of a topic and then collectively form answers in Class/discussion board/forum.
Project Based Learning 20%	Projects based assignments provided to students for desired topics and shall discuss in class.
Direct (30%)	F2F or Collaborative sessions. PPT/WHITE BOARD/Black board etc.
FLIP Sessions (20%)	Students shall be provided with contents/materials in advance and then questions/discussions with students and shall explore deeper in class.

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4. References:

Text Books	Web resources	Journals	Reference books
1. PHP 6 and MySQL 6 Bible by Steve Suehring, Wiley Publication. 2. Chris Bates, Web Programming Building Internet Applications, Second Edition, Wiley (2007)	Blackboard	NA	1. Beginning PHP and MySQL by W. Jason Gilmore by Apress. 2. Complete Reference PHP by Steven Holzner, TMH. 3. Head First PHP and MySQL by Lynn Beighley, Michael Morrison, O'Reilly.

Signature of HOD/Dean
Date:

Signature of Faculty
Date:

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GUIDELINES TO STUDY THE SUBJECT

Instructions to Students:

1. Go through the courseplan in the Black Board section of the web-site(https://learn.upes.ac.in) in order to find out the Reading List.
2. Get your schedule and try to pace your studies as close to the timeline as possible.
3. Get your on-line lecture notes (Content, videos) at Lecture Notes section. These are our lecture notes. Make sure you use them during this course.
4. Check your blackboard regularly
5. Go through study material
6. Check mails and announcements on blackboard
7. Keep updated with the posts, assignments and examinations which shall be conducted on the blackboard
8. Be regular, so that you do not suffer in any way
9. **Cell Phones and other Electronic Communication Devices:** Cell phones and other electronic communication devices (such as Blackberries/Laptops) are not permitted in classes during Tests or the Mid/Final Examination. Such devices MUST be turned off in the class room.
10. **E-Mail and online learning tool:** Each student in the class should have an e-mail id and a pass word to access the LMS system regularly. Regularly, important information – Date of conducting class tests, guest lectures, via online learning tool. The best way to arrange meetings with us or ask specific questions is by email and prior appointment. All the assignments preferably should be uploaded on online learning tool. Various research papers/reference material will be mailed/uploaded on online learning platform time to time.
11. **Attendance:** Students are required to have minimum attendance of 75% in each subject. Students with less than said percentage shall NOT be allowed to appear in the end semester examination.

This much should be enough to get you organized and on your way to having a great semester! If you need us for anything, send your feedback through e-mail to dhiviyarj@ddn.upes.ac.in. Please use an appropriate subject line to indicate your message details.

There will no doubt be many more activities in the coming weeks. So, to keep up to date with all the latest developments, please keep visiting this website regularly.

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RELATED OUTCOMES

The expected outcomes of the Course are:

CO1.	Learn markup languages HTML and scripting languages JavaScript
CO2.	Identify the basic PHP programming structures
CO3.	Develop real world object-oriented concepts using PHP
CO4.	Develop interactive web based program with database connectivity

Course Outcomes assessment plan:

Components / Course Outcomes	Assignment /Project	Quiz-1	Quiz-2	Quiz-3	Quiz-4	Quiz-5	Mid Semester	End Semester
CO1	✔	✔					✔	✔
CO2	✔		✔				✔	✔
CO3	✔			✔				✔
CO4	✔				✔			✔

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OVERVIEW OF COURSE DELIVERY / BROAD PLAN OF COURSE COVERAGE

Course Activities:

S. No.	Description	Planned					Actual					
		From	To	No. of Session		Remedial Classes	From	TO	No. of Session		Remedial Classes	Remarks
				Syn.	Asyn	Syn.			Syn.	Asyn.	Syn.	
1	Unit-1			9		1						
2	Unit-2			9		1						
3	Unit-3			9		1						
4	Unit-4			9		1						
			Total	36		4						

Sessions: Total No. of Instructional periods available for the course

Signature of HOD/Dean
Date:

Signature of Faculty
Date:

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SESSION PLAN

Lecture No.	Topics to be Covered	CO Mapped
1	What is HTML, Basic Structure of HTML Page, Basic Tags,	CO1
2	Lists, Tables, Images	CO1
3	Forms and Frames.	CO1
4	Dynamic HTML with Java Script: Data validation,Opening a new window, Messages and Confirmations	CO1
5	The status bar, writing to a different frame, Rollover buttons, Moving images.	CO1
6	Multiple pages in a single download, a text-only menu system, Floating logos	CO1
7	Introduction, Usage of variables, operations, control structures, looping structures, predefined keywords, arrays and functions, objects	CO1
8	Exception Handling	CO1
9	Events and Event Handling and Validations	CO1

Lecture No.	Topics to be Covered	CO Mapped
10	Introduction to PHP, Installation, Basic Syntax of PHP, PHP statement terminator and case insensitivity	CO2
11	Embedding PHP in HTML, Comments, Variables, Assigning value to a variable.	CO2
12	Constants, Managing Variables	CO2
13	Operators	CO2
14	String Manipulation	CO2
15	Conditional Control Structures	CO2
16	Looping Control Structures,	CO2
17	Break and Continue	CO2
18	Functions, Understanding variable scope, Built-in functions in PHP.	CO2

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Lecture No.	Topics to be Covered	CO Mapped
19	Array in PHP, Creating and accessing array elements	CO3
20	Iterating Array with Numeric index	CO3
21	Multidimensional Array, Accessing elements of a Multidimensional Array, Iterating Multidimensional Array.	CO3
22	Introduction, File Operations	CO3
23	Using PHP with HTML Forms.	CO3
24	Defining Class and Object in PHP	CO3
25	Usage of $this variable, Constructor, Constructor with Parameters.	CO3
26	Introduction to Exception, Exception Handling mechanisms, Creating Custom Exceptions, Multiple Catch Blocks	CO3
27	Exception Propagation, Error Handling in PHP.	CO3

Lecture No.	Topics to be Covered	CO Mapped
28	Installation: Apache & MySQL: Software Prerequisites, Installing Apache and PHP, Starting and Testing Apache, Testing PHP with phpinfo(),	CO4
29	Installing MySQL, Starting and Testing MySQL, 125-145 Installing the php-mysql Module, Checking the php-mysql Module.	CO4
30	Using MySql: designing & creating your web database, working with mysql database	CO4
31	Accessing mysql database from web with PHP	CO4
32	Advanced mysql administration, advanced mysql programming	CO4
33	Build your own PHP & MySql project website.	CO4
34	Web Content management System: Introduction, Wordpress	CO4
35	Web Content management System: Introduction, Wordpress	CO4
36	Drupal, Joomla.	CO4