



SARVAJANIK UNIVERSITY
Sarvajanik College of Engineering and Technology
Master of Computer Applications



Integrated MCA I Semester 2

Subject Name: Web Development using PHP

SubjectCode: IMCA13205

Type of course: Professional Core Course

Prerequisite (if any):

- Basic knowledge HTML, CSS and JavaScript.

List of Courses where this course will be prerequisite:

- PHPWeb application framework.

Rationale: Understand the concepts of Open Source Web Based Dynamic Scripting Language.

Teaching and Examination Scheme:

TEACHING SCHEME				Theory Marks		Practical Marks		Total
L	T	P	C	TEE	CAT	TEP	CAP	
2	0	0	2	60	40	-	-	100

CAT: Continuous Assessment Theory comprised of CA1 and CA2 **CA1:** Continuous Assessment (assignments/projects/open book tests/closed book tests **CA2:** Sincerity in attending classes/class tests/ timely submissions of assignments/self-learning attitude/solving advanced problems **TEE:** Term End Examination **TEP:** Term End Practical Exam (Performance and viva on practical skills learned in course) **CAP:** Regular submission of Lab work/Quality of work submitted/Active participation in lab sessions/viva on practical skills learned in courses.





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Content:

Sr. No.	Topics	Teaching Hrs.	Module Weightage
1.	Introduction to PHP: Concepts of Php, Installation of xampp wamp lamp, PHP,ini file basics, How PHP code is parsed, Embedding PHP and HTML, Comments in PHP, Data types, variable, Static and Global variables, constants, Operators.	04	12%
2.	Control Statements & working with Arrays: Conditional Statements (If...Else, Switch, '?' Operator), Loopings (While, Do... While, For, For each) Break Statement, Continue, Exit, Die, Introduction to Array, Indexed Array, Associative Array, Multi-Dimensional Array.	06	20%
3.	Working with Form Data & Functions : FORM element, INPUT elements, Validating the user Input, Passing variables between pages through GET, POST and REQUEST, sending mail on form submission, User-defined Functions, Built-in Functions <ul style="list-style-type: none">● String Functions: chr, ord, strtolower, strtoupper, strlen, ltrim, rtrim, substr, strcmp, strcasecmp, strpos, strrpos, strstr, stristr, str_replace, strev, echo, print● Math Functions: abs, ceil, floor, round, fmod, min, max, pow, sqrt, rand● Array Functions: count, list, in_array, current, next, previous, end, each, sort, rsort, assort, array_merge, array_reverse● Date Functions: date, getdate, DateTime::setDate, checkdate, time, mktime	06	20%
4.	Sessions, Cookies and Upload Files: Concept of Session, Starting session, Modifying session variables, Unregistering and deleting session variable, Concept of Cookies, setting a Cookies, Deleting a Cookies, Querystring, Working with File Uploads.	06	20%
5.	Introduction to MySQL: Types of tables in MySQL, Query in MySQL: Select, Insert, Update, Delete, Order By, Database connectivity of PHP with MySQL, Functions of MySQL.	04	15%
6.	Introduction to jQuery & AJAX: Syntax Overview, Selectors, Events, Effects(Hide, Show, Fade, Slide, Animate, Stop, Callback & Functions, Chaining) jQuery HTML(Get, Set, Add, Remove) CSS, Styling & Dimensions, Traversing(Ancestors, Descendants,	04	13%





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	Siblings, Filtering) ,Fundamentals of AJAX technology, Working of AJAX and its architecture, exploring jQuery and AJAX.		
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Suggested Specification table with Marks (Theory/Practical):

Distribution of Theory Marks					
R Level	U Level	A Level	N Level	E Level	C Level
20	20	10	15	15	20

Legends: R: Remembrance, U: Understanding; A: Application, N: Analyze, E: Evaluate C: Create and above Levels (**Revised Bloom’s Taxonomy**)

Note: This specification table shall be treated as a general guideline for students and teachers. The actual distribution of marks in the question paper may vary slightly from above table.

Reference Text Books:

Sr. No.	Title of book /article	Author(s)	Publisher and details like ISBN	Year of publication	Publication Edition
1	The Complete Reference PHP	Stever Holzner	McGraw Hill Education ISBN-10 : 0070223629 ISBN-13 : 978-0070223622	2017	1 st Edition
2	Learning PHP, MySQL & JavaScript: with JQuery Css & Html 5	Nixon Robin,	Shroff Publishers & Distributers Pvt. Ltd. ISBN : 9789352130153	2017	4 th Edition
3	Ajax: The Complete Reference	Thomas Powell	McGraw Hill Education ISBN : 978-0-07-149216-4	2008	1 st Edition
4	Learning jQuery	Jonathon chaffer ,Karl Swedberg	Packt Publishing ISBN : 9781782163145	2013	4 th Edition
5	Teach Your Self : PHP, MYSQL and Apache	Meloni, Julie C	Pearson Education ISBN : 81-297-0443-9	2012.	5 th Edition





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Course Outcome:

Sr. No.	CO Statement After learning this subject, students will be able to	Marks % weightage
CO-1	Understand the basics concepts of PHP.	12%
CO-2	Understand the basics concepts Control Statements & Array.	20%
CO-3	Understand the concept of Form handling.	20%
CO-4	Understand the basics of session, cookies and file uploading.	20%
CO-5	Ability to create database tables, populate the databases and formulate SQL queries for mysql through PHP.	15%
CO-6	Understand the basics concepts of jQuery & AJAX for scripting.	13%

Mapping 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	PO 13
CO-1	3	3	2	0	0	0	3	0	0	0	0	3	3
CO-2	3	3	0	0	3	0	3	0	0	0	0	3	3
CO-3	3	3	0	2	0	0	3	0	0	0	0	3	3
CO-4	3	3	0	0	3	0	3	0	0	0	0	3	3
CO-5	3	3	0	0	3	0	3	0	0	0	0	3	3
CO-6	3	3	0	0	3	0	3	0	0	0	0	3	3
Rationale*													

Rationale*: Explaining why it is matching this particular program outcome

List of Open Source/learning website:

- <https://www.w3schools.com/php/>
- <https://www.codecademy.com/catalog>

