



PHP
PHP
[ELECTIVE COURSE]

Semester: III	Credits: 3	Subject Code: BC32104	Lectures: 48
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Course Outcomes:

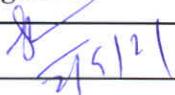
At the end of this course, the learner will be able to,

- Identify how server-side programming works on the web.
- Apply PHP built-in functions and creating custom functions
- Apply POST and GET in form submission.
- Analyze how to process form submission data.
- Create, evaluate and process data in a MySQL database.

Unit 1: PHP Basics , Control Structures and Loops	14
<ul style="list-style-type: none">• Introduction to PHP• Setting up a development environment• Variables Data Types• \$_GET, \$_POST variables• Calculations with PHP• Using Arrays• Multidimensional Array, Extracting multiple values from array, Traversing array, Sorting array• Conditional Statements <p>Using Loops for Repetitive tasks</p> <ul style="list-style-type: none">• Combing Loops and Arrays	

Unit 2: Functions, String, Objects and Errors	08
<ul style="list-style-type: none">• PHP's Built-in functions<ul style="list-style-type: none">◦ Printing function• Creating Custom functions• Passing Values by Reference• Types of string in PHP<ul style="list-style-type: none">◦ Encoding and Escaping◦ Manipulating string and searching string• Understanding Objects	

Unit 3: Working with Forms and Processing data	18
<ul style="list-style-type: none">• Dealing with checkboxes and radio buttons• Retrieving values from lists	

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- Validating and restricting data
- Sending Email
- Setting and Reading Cookies
- Protecting Online Files
- Understanding Session Variables

Unit4: MYSQL database overview

8

- phpMyAdmin Overview
- Using a MySQL Database
- Reading and Writing Data
- Displaying Queries in Table

#12 hours for Library work, assignments practical or field work

Recommended Text Books:

- Rasmus Lerdorf , *Programming PHP*:, O'Reilly, 2007
- Julie Meloni, Cengage , *PHP6: Learning*, 2009
- Ed Lecky-Thompson,,*Professional PHP6: Worx*,2009
- Seyed M.M ,*Learning MySQL*, O'Reilly,2018

Reference Books:

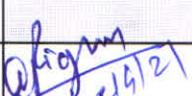
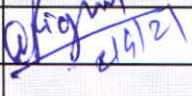
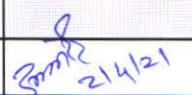
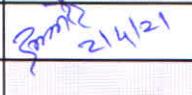
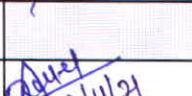
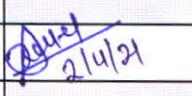
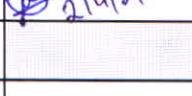
- Vikram Vaswani *PHP: A Beginner's Guide* 1st Edition McGraw-Hill Osborne Media; edition by
- David Sklar ,*PHP Cookbook*:,O'Reilly,2010
- Joel Murach and Ray Harris ,*Murach's PHP and MySQL* (2nd Edition)
- Steven Holzner ,*PHP: The Complete Reference Paperback* – 1 Jul 2017

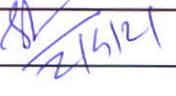
Websites:

<https://www.tutorialspoint.com/>
www.w3schools.com

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Board Of Studies	Name	Signature
Head of the Department	Prof. Smita Borkar	 21/4/21
Faculty*	Prof Monika Rajguru	 21/4/21
Faculty*	Prof. Deepali Gupta	 21/4/21
Subject Expert (Outside SPPU)	Dr. Sagar Jambhorkar	 21/4/21
Subject Expert (Outside SPPU)	Prof Sachin Bohite	 21/4/21
VC Nominee	Prof Anjum Patel	 21/4/21
Industry Expert	Ms Shrutika Wayal	 21/4/21
One Alumni***	Ms. Vidhi Thakkar	

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