Learning Outcomes	Suggested Pedagogical Processes	
Get concepts of basics of the HTML and	Discuss various concepts of HTML and CSS	
CSS.	using Blackboard with examples.	
	Notepad application is used to create the script	
	and demo is shown using Web Browser.	
Obtain the knowledge of various concepts	Discuss various concepts of PHP scripting	
of PHP scripting language.	language on the Blackboard with examples.	
	Notepad application is used to create the scrip	
	and demo is shown using Web Browser and	
	Web Server.	
Able to understand the concept of object	Discuss various object oriented concepts of	
oriented programming.	PHP scripting language on the Blackboard	
	with examples.	
	Notepad application is used to create the scrip	
	and demo is shown using Web Browser and	
	Web Server.	
Acquire the knowledge and skills for	PowerPoint presentation to demonstrate the	
creation of website by considering both	process of constructing website using client	
client- and server-side programming to	side programming and server-sid	
build up responsive web applications.	programming with the help of Database	
Gain the knowledge of using PHP to access database.	connectivity.	
database.	Demonstration of PHP and Databas	
	connectivity is shown using Web Browser an Web Server.	
Able to create XML documents.	11.000.000	
Able to create XML documents.	Discuss the structure of XML document using Blackboard.	
	Demonstration of creating an XML documer	
	using PHP with the help of	
	Web Browser and Web Server.	
Gain familiarity with the object oriented	Classroom discussion about revision of object	
concepts of PHP.	oriented concepts using PHP.	
concepts of THE.	Demonstration of object oriented concepts i	
	PHP using Web Browser and Web Server.	
Able to create graphic objects using PHP.	Classroom discussion about graphics concept	
Able to create graphic objects using FHF.	using PHP.	
	Demonstration of creating various graphi	
	objects in PHP using Web Browser and We	
	Server.	
	Barra.	

Unit No.	Title of Unit and Contents		
I	Introduction to Internet Programming		
	1.1 Client-Server model		
	1.2 Browsers - Graphical and Hypertext Access to the Internet		
	1.3 HTTP - HyperText Transfer Protocol (how it actually works)		
II	Overview of Language Essentials		
	2.1 Data Types		
	2.2 Variables		
	2.3 Embedding PHP into web pages		

	2.4 Functions			
	2.5 Arrays			
	2.6 Objects			
	2.7 Strings			
III	HTML forms processing			
	3.1 Building a form			
	3.2 Text fields and value, size, maxlength,			
	3.3 HTML buttons			
	3.4 Radio buttons			
	3.5 Checkboxes			
	3.6 Selection lists			
	3.7 Introduction to CGI scripting Action and Method - GET and			
	3.8 POST			
	3.9 Global variables			
	3.10 Reading files			
	3.11 File permissions			
	3.12 Uploading files			
	3.13 Reading from other Servers			
IV	3.14 Security: Filtering Input and Escaping Output			
1v	Web Techniques 4.1 Server Information			
	4.2 Cookies			
	4.3 Sessions			
	4.4 Maintaining state			
v	Object Oriented Programming			
*	5.1 Introduction			
	5.2 Defining PHP Classes			
	5.3 Creating Objects in PHP			
	5.4 Calling Member Functions			
	5.5 Constructor, Destructor			
	5.6 Inheritance			
	5.7 Function Overriding			
	5.8 Access Specifiers: Private, Public, Protected			
	5.9 Interfaces			
	5.10 Abstract classes			
VI	Databases			
	6.1 Relational databases and SQL			
	6.2 Using PHP to access a database			
	6.3 Accessing Databases			
	6.4 PEAR DB Basic			
VII	XML			
	7.1 Introduction			
	7.2 PHP and XML			
	7.3 Functions in XML			
	7.4 The Simple XML extension			
	7.5 Loading XML Document into a SimpleXML Object			
	7.6 Looping through an Element			
	7.7 Use SimpleXML Element Constructor			
	7.8 Looping over all Elements and its Attributes			
	7.9 Recursively processing XML Document 7.10 Parsing XML			

VIII	Graphics			
	8.1 Basic concepts			
	8.2 GD extensions			
	8.3 Creating and drawing images			
	8.4 Images with text			
	8.5 Scaling images			
	8.6 Color handling			
	8.7 Embedding an image into page			
IX	E-mail via scripts			
	9.1 Email Background			
	9.2 Internet Mail Protocols			
	9.3 Structure of an Email message			
	9.4 Sending Email with PHP			
	9.5 Email-Id Validation and Email-Id Verification			

Learning Resources

- Rasmus Lerdorf and Kevin Tatroe, Programming PHP, O'Reilly Publication, 3rd Edition, 2013
- 2. Matt, Doyle, Beginning PHP 5.3, Wrox Publication, 2014
- 3. Pratiyush Guleria, PHP Beginner's Practical Guide, BPB Publications, 2018
- 4. PHP cookbook, O'Reilly Publication, 2014
- Learning PHP and MYSQL, O'Reilly Publication, 4th Edition, 2016
- 6. PHP for Beginners, SPD Publication
- 7. Robert W. Sebesta, Programming the World Wide Web, Pearson, (4th Edition), 2009
- 8. www.php.net.in
- 9. www.w3schools.com
- 10. www.wrox.com