



Advance PHP
Advance PHP
[ELECTIVE COURSE]

Semester: IV	Credits: 3	Subject Code: BC42104	Lectures: 48
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Course Outcomes:

At the end of this course the learner will have the,

- Relate the concepts of internet programming.
- Describe how server-side programming works on the web.
- Discuss use PHP Framework (Joomla / Drupe)

Unit 1: Introduction to Object Oriented Programming in PHP	6
<ul style="list-style-type: none">• Classes• Objects• Introspection• Serialization• Inheritance• Interfaces• Encapsulation	

Unit 2: Web Techniques and Web services	12
<ul style="list-style-type: none">• Server information• Processing forms• Sticky forms• Setting response header• Definition of web services• Basic operational model of web services, tools and technologies enabling web services• Benefits and challenges of using web services.• Web services Architecture and its characteristics• Core building blocks of web services• Standards and technologies available for implementing web services• web services communication models• Basic steps of implementing web services	

Unit 3: XML and Ajax with PHP	14
<ul style="list-style-type: none">• Introduction XML<ul style="list-style-type: none">○XML document Structure○PHP and XML	

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<ul style="list-style-type: none"> ○XML parser ○The document object model ○The simple XML extension ○Changing a value with simple XML ● Introduction to AJAX <ul style="list-style-type: none"> ○Understanding java scripts for AJAX ○ AJAX web application model ○AJAX –PHP framework ○ Performing AJAX validation ○ Handling XML data using php and AJAX ○ Connecting database using php and AJAX 	
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Unit4: PHP Framework and handling E-mail (Joomla/ Druple)	16
<ul style="list-style-type: none"> ● Introduction to Joomla/Druple ● Introduction ● Joomla/Druple features ● How joomla/Drupleworks ? ● The platformComponents, Modules and Plugins ● Administering Joomla/Druple ● Presentation Administration ● Content Administration ● System Administration ● Working with Joomla/Druple ● Adding articles ● Adding menus to point to content ● Installing new templates ● Creating templates ● Adding a Module and Component ● Modifying the existing templates ● Creating templates with web editors ● Activity ● Email Background ● Internet mail protocol ● SMTP,POP3,IMAP4, HTTP protocol ● Structure of an Email message ● Sending Email with PHP ● Email id validation and Verification 	

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

Recommended Text Books:
<ul style="list-style-type: none"> ● Larry Ullman ,<i>PHP for the Web</i>, Person,2012.

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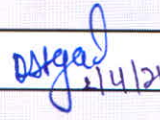
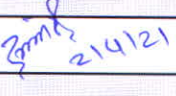
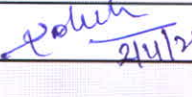
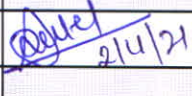
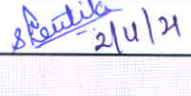
- Julie Meloni , *PHP6*, Cengage Learning, 2009
- Ed Lecky-Thompson , *Professional PHP6*, Worx,2009
- Teodoru Gugoiu , *HTML,XHTML,CSS and XML by example A Practical Guide* ;2009

Reference Books:

- Vikram Vaswani , *Php: A Beginner's Guide* 1st Edition McGraw-Hill Osborne Media; 1 edition .
- Joel Murarch and Ray Harris, *Murach's PHP and MySQL* (2nd Edition).
- Steven Holzner, *PHP: The Complete Reference Paperback* – 1 Jul 2017.
- S. Graham and others , *Building Web Services with Java*, 2nd Edition, , Pearson Edn., 2008.
- D.A. Chappell & T. Jewell *Java Web Services*, , O'Reilly, SPD.

Websites:

- <https://www.tutorialspoint.com/>
- www.w3school.com

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Faculty*	Prof. Deepali Gupta		
Subject Expert (Outside SPPU)	Dr. Sagar Jambhorkar		
Subject Expert (Outside SPPU)	Prof Sachin Bohite		
VC Nominee	Prof Anjum Patel		
Industry Expert	Ms Shrutika Wayal		
One Alumni***	Ms. Vidhi Thakkar		

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