



Requisition Letter

From
Dr. K.P Kaliyamurthie
Professor & Head,
Department of CSE,
Bharath Institute of Higher Education and Research,
Chennai

Date: 20.06.2021

To
The Dean Engineering,
Bharath Institute of Higher Education and Research,
Chennai

Respected sir,

Subject : Request of Permission to conduct a value added course on “**Advanced PHP**” -Reg

With reference to above subject, I would like to bring to your kind notice that, our department interested to organize value added course on “**Advanced PHP**” in our campus premises from 11.07.2021 for 38hours

Our internal Professors would deliver lecture for the above mentioned course. About 40 students would be participating in this course. We request you kindly to give permission to organize this.

Venue: **CSE Class room**

Timing : 1:30 PM to 4:30 PM

9.00 PM to 4.00 PM

Submitted to Principal for approval to organize this value added course.


HOD/CSE


DEAN ENGINEERING

HEAD OF DEPARTMENT
of Computer Science & Engg.,
Bharath Institute of Higher Education & Research
(Deemed to be University UGC 3 of 1956 Act 1956)
Chennai-600 073. INDIA



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INSTITUTE OF HIGHER EDUCATION AND RESEARCH

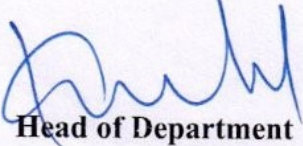
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CIRCULAR

08.07.2021

The School of computing, Bharath Institute of Higher Education and Research is planned to conduct a certification value added course on **Advanced PHP** for the benefit of IV year students. This course is scheduled from 11.07.2021 for 38 hours which includes theory and practical. The timings are 1:30 PM to 4:30

All Registered Students must attend all the classes without fail. The following faculty members are assigned to handle the course. S.NO	Name of the Faculty	Designation
1	Dr.C.Nalini	Professor
2	Dr.C.Rajabhushanam	Professor


Head of Department

To

Copy to CSE

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CERTIFICATE COURSE ON ADVANCED PHP

Date of Introduction of the Course: 11.07.2021

COURSE OBJECTIVE

PHP focuses on speed and scalability of web applications. With our Advanced PHP training, unleash the power of the PHP to build efficient server-side scripts and command line scripts. You also master the skills to develop desktop applications. Our Advanced PHP course includes Cloudlabs integration so you gain in-depth hands-on experience developing RESTful web-services. Also, learn to extend the capabilities of PHP with PEAR and the techniques to build a fast and capable dynamic web application using Ajax. By the end of our PHP deep dive training, you will also have a sound understanding of industry best practices of PHP development from our expert.

WHAT TO EXPECT

- learn functions, date and time, debugging and logging
- Discover code reuse, feeding a function, return data from a function
- Learn how to do string manipulation
- Runtime error handling using PHP exception handling mechanism
- Discover database connectivity methods
- Send e-mail using SMTP
- Learn the PHP extension and application repository - PEAR
- Web services will be discussed including SOAP, NU SOAP, and WSDL
- Learn about Smarty Templates
- Discover popular frameworks including CakePHP, Yii, Zend and CodeIgniter

COURSE SYLLABUS

1. Introduction to PHP

- ✓ Evaluation of Php
- ✓ Basic Syntax
- ✓ Defining variable and constant
- ✓ Php Data type
- ✓ Operator and Expression

2. Handling Html Form With Php

- ✓ Capturing Form Data
- ✓ Dealing with Multi-value filed
- ✓ Generating File uploaded form
- ✓ Redirecting a form after submission

3. Decisions and loop

- ✓ Making Decisions
- ✓ Doing Repetitive task with looping
- ✓ Mixing Decisions and looping with Html

4. Function

- ✓ What is a function
- ✓ Define a function
- ✓ Call by value and Call by reference
- ✓ Recursive function

5. String

- ✓ Creating and accessing String
- ✓ Searching & Replacing String
- ✓ Formatting String
- ✓ String Related Library function

6. Array

- ✓ Anatomy of an Array
- ✓ Creating index based and Associative array
- ✓ Accessing array Element
- ✓ Looping with Index based array
- ✓ Looping with associative array using each() and foreach()
- ✓ Some useful Library function

7. Working with file and Directories

- ✓ Understanding file& directory
- ✓ Opening and closing a file
- ✓ Coping ,renaming and deleting a file
- ✓ Working with directories
- ✓ Building a text editor
- ✓ File Uploading & Downloading
- ✓ Mini Project (With file Handling)

8. State management

- ✓ Using query string(URL rewriting)
- ✓ Using Hidden field
- ✓ Using cookies
- ✓ Using session

9. String matching with regular expression

- ✓ What is regular expression
- ✓ Pattern matching in Php
- ✓ Replacing text
- ✓ Splitting a string with a Regular Expression

10. Generating Images with PHP

- ✓ Basics of computer Graphics
- ✓ Creating Image
- ✓ Manipulating Image
- ✓ Using text in Image

11. Advance PHP

- ✓ Introduction to OOPS
- ✓ Introduction
- ✓ Objects
- ✓ Declaring a class
- ✓ The new keyword and constructor
- ✓ Destructor
- ✓ Access method and properties using \$this variable
- ✓ Public ,private, protected properties and methods
- ✓ Static properties and method
- ✓ Class constant

12. Inheritance

- ✓ Inheritance & code reusability
- ✓ Polymorphism
- ✓ Parent:: & self:: keyword
- ✓ Instanceof operator
- ✓ Abstract method and class
- ✓ Interface
- ✓ Final


13. Exception Handling

- ✓ Understanding Exception and error
- ✓ Try, catch, throw

14. Database Connectivity with MySql

- ✓ Introduction to RDBMS
- ✓ Connection with MySql Database
- ✓ Performing basic database operation(DML) (Insert, Delete, Update, Select)
- ✓ Setting query parameter
- ✓ Executing query
- ✓ Join (Cross joins, Inner joins, Outer Joins, Self joins.)


COURSE COORDINATOR


HEAD OF THE DEPARTMENT
Department of Computer Science Engg.,
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CERTIFICATE COURSE ON ADVANCED PHP

Date of Introduction of the Course: 11.07.2021

The timings are 1:30 PM to 4:30 PM

Time Table & Lesson plan

CLASS	DATE	TOPIC
1,2	11-07-2021	<ul style="list-style-type: none">• Evaluation of Php• Basic Syntax• Defining variable and constant• Php Data type• Operator and Expression
3,4	15-07-2021	<ul style="list-style-type: none">• Capturing Form Data• Dealing with Multi-value filed• Generating File uploaded form
5,6	16-07-2021	<ul style="list-style-type: none">• Redirecting a form after submission• Making Decisions• Doing Repetitive task with looping• Mixing Decisions and looping with Html
7,8	22-07-2021	<ul style="list-style-type: none">• What is a function• Define a function• Call by value and Call by reference• Recursive function
9,10, 11,12	23-07-2021	<ul style="list-style-type: none">• Creating and accessing String• Searching & Replacing String• Formatting String• String Related Library function

13,14	29-07-2021	<ul style="list-style-type: none"> • Anatomy of an Array • Creating index based and Associative array • Accessing array Element
15,16, 17,18	30-07-2021	<ul style="list-style-type: none"> • Looping with Index based array • Looping with associative array using each() and foreach() • Some useful Library function • Understanding file& directory • Opening and closing a file • Coping ,renaming and deleting a file • Working with directories
19,20	05-08-2021	<ul style="list-style-type: none"> • Building a text editor • File Uploading & Downloading • Mini Project (With file Handling) • Using query string(URL rewriting) • Using Hidden field • Using cookies • Using session
21,22, 23,24	06-08-2021	<ul style="list-style-type: none"> • What is regular expression • Pattern matching in Php • Replacing text • Splitting a string with a Regular Expression
25,26	12-08-2021	<ul style="list-style-type: none"> • Basics of computer Graphics • Creating Image • Manipulating Image • Using text in Image
27,28, 29,30	13-08-2021	<ul style="list-style-type: none"> • Introduction to OOPS • Introduction • Objects • Declaring a class • The new keyword and constructor • Destructor • Access method and properties using \$this variable • Public ,private, protected properties and methods

		<ul style="list-style-type: none"> • Static properties and method • Class constant
31,32	19-08-2021	<ul style="list-style-type: none"> • Inheritance & code reusability • Polymorphism • Parent:: & self:: keyword • Instanceof operator • Abstract method and class • Interface • Final
33,34, 35,36	20-08-2021	<ul style="list-style-type: none"> • Understanding Exception and error • Try, catch, throw • Introduction to RDBMS • Connection with MySql Database • Performing basic database operation(DML) (Insert, Delete, Update, Select) • Setting query parameter
37,38	26-08-2021	<ul style="list-style-type: none"> • Executing query • Join (Cross joins, Inner joins, Outer Joins, Self joins.)

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COURSE COORDINATOR

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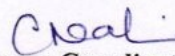
CERTIFICATE COURSE ON ADVANCED PHP

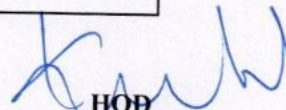
Date of Course Introduction 11/07/2021

School Of Computing

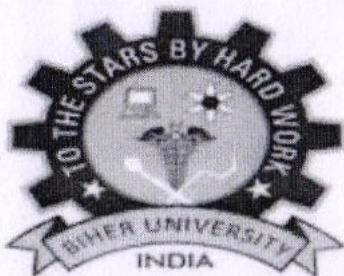
Registered Students List

S.NO	REG.NO	NAME OF THE STUDENT
1	U14CS055	GOTTIPATI KARTHIK
2	U14CS702	S.KUMARAN
3	U14CS709	RAGUL TIGER
4	U14CS220	KARTHIKEYAN SURESH
5	U14CS231	GYANA PRASANNA
6	U14CS235	SATHISH RAJ
7	U14CS107	MUGUNTHANATHAN.G
8	U14CS108	MURALI .S
9	U14CS109	N.UMA VENKATA MAHESHWARA SWAMY
10	U14CS110	NAGA TEJA.K
11	U14CS148	RAMYA.B
12	U14CS177	K.SIVA SUBRAMANIAN
13	U14CS222	M.GANESH RAJAN
14	U14CS225	ARJHUN KUMAR.K
15	U14CS229	INDHU GOPALAKRISHNAN
16	U14CS703	VASANTHAN.N
17	U14CS705	SHABEEK ABUTHAHIR.S
18	U14CS710	SHOPMINISTER
19	U14CS163	SASHAANK.S
20	U14CS164	SAURAV KUMAR
21	U14CS165	SAURAV SINGH
22	U14CS224	R.SINDHU
23	U14CS228	ELACATI JAGANNADHA HARSHITHA
24	U14CS230	MARAM REDDY RAJASEKHAR
25	U14CS234	DANDU MOHAN RAJENDRA VARMA
26	U14CS706	RAFTEN WANCHU
27	U14CS707	ARNISHA DAS
28	U14CS708	SUSMITA MOG
29	U14CS226	SARAVANAN.B
30	U14CS227	I.SUKAPATLA AVINASH
31	U14CS237	CHARAN KUMAR
32	U14CS701	BALAJI
33	U14CS232	B.BALAKUMARAN
34	U14CS233	P.UPENDRA VARMA
35	U14CS236	M.RAVISANKAR
36	U14CS223	ARUN


Course Coordinator


HOD

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CERTIFICATE OF PARTICIPATION

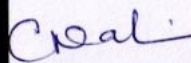
This is Presented to


MR. SATHISH RAJ

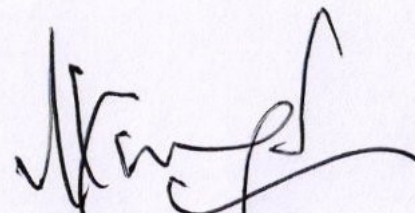
For actively participating in value added course on

“Advanced PHP” conducted by School Computing ,

BIHER from 11/07/2021 to. 26/08/2021


Coordinator


HOD


DIRECTOR



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CERTIFICATE COURSE ON ADVANCED PHP

Date of Course Introduction 11/07/2021

School of Computing



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COURSE CO ORDINATOR

K. S. S. S.

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COURSE FEEDBACK FORM

Academic Year		2021-22							
Term		-							
Course Number		-							
Course Title		Advanced PHP							
Number of Credits									
Type of Course	Regular		Elective		Add-on	<input checked="" type="checkbox"/>			
I. Information on the Respondent: (Tick (✓) Appropriately)									
1. Percentage of classes attended									
0-20		20-40		40-60		60-80	<input checked="" type="checkbox"/>	80-100	
2. Number of hours per week spent on the course (Other than lecture hours)									
0-2		2-4		4-6		6-8		8-10	<input checked="" type="checkbox"/>
3. Preparation for the course by the student:									
(i)	Have done part of this course earlier								NO
(ii)	Has adequate prior exposure to the prerequisites								NO
(iii)	Had to pickup relevant additional topics through concurrent study								YES
(iv)	Have no exposure to the background material								NO
4. The expectations for taking the course by the student are:									
(a)	Enhance by skill base in the area of specializations								YES
(b)	Get exposed to a relevant subject								YES
(c)	Curiosity								YES
(d)	Better Employment Opportunity								YES
(e)	Complete Course requirements								YES
(f)	To Improve CGPA								YES
About the Instructor: Information on the Respondent: (Tick (✓) Appropriately)									
		A	B	C	D	E			
1.	Pace of the Teaching/lecture	<input checked="" type="checkbox"/>							
2.	Content of the Subject	<input checked="" type="checkbox"/>							
3.	Clarity of expression	<input checked="" type="checkbox"/>							
4.	Level of preparation		<input checked="" type="checkbox"/>						
5.	Level of interaction	<input checked="" type="checkbox"/>							
6.	Accessibility outside the class	<input checked="" type="checkbox"/>							
7.	Others (please specify)								
A: Excellent		B: Very Good		C: Good	<input checked="" type="checkbox"/>	D: Satisfactory		E: Poor	

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COURSE FEEDBACK FORM

Academic Year		2021 - 2022			
Term					
Course Number					
Course Title		Advanced PHP			
Number of Credits					
Type of Course	Regular		Elective		Add-on

I. Information on the Respondent: (Tick (√) Appropriately)

1.	Percentage of classes attended				
	0-20	20-40	40-60	60-80	80-100

2.	Number of hours per week spent on the course (Other than lecture hours)				
	0-2	2-4	4-6	6-8	8-10

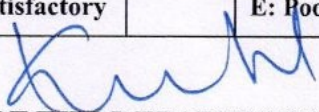
3.	Preparation for the course by the student:				
	(i)	Have done part of this course earlier	No		
	(ii)	Has adequate prior exposure to the prerequisites	yes		
	(iii)	Had to pickup relevant additional topics through concurrent study	yes		
	(iv)	Have no exposure to the background material	yes		

4.	The expectations for taking the course by the student are:				
	(a)	Enhance by skill base in the area of specializations	yes		
	(b)	Get exposed to a relevant subject	yes		
	(c)	Curiosity	yes		
	(d)	Better Employment Opportunity	yes		
	(e)	Complete Course requirements	yes		
	(f)	To Improve CGPA	yes		

About the Instructor: Information on the Respondent: (Tick (√) Appropriately)

		A	B	C	D	E
1.	Pace of the Teaching/lecture		✓			
2.	Comment of the Subject		✓			
3.	Clarity of expression		✓			
4.	Level of preparation		✓			
5.	Level of interaction		✓			
6.	Accessibility outside the class	✓				
7.	Others (please specify)					

A: Excellent	B: Very Good	C: Good	D: Satisfactory	E: Poor
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