SEMESTER-II

Course Code	PCS21	C04J	Course Name	OPEN SOURCE TEC	HNOLOGIES		Course ategory		С				Pro	fessio	onal C	Core				1 3	T 0	P 4	C 5
Pre-	equisite Cou	irses	Nil	Co-requisite Courses	Nil			Progi	ressive	Course	s							Nil					
Course	Offering Dep	artment		Computer Science	Data Book / Codes/Sta	ndards		14				0		١	Vil								
(CLR):	arning Ration	The	purpose of learning	this course is to:	A SHEET	ii.	1	2	3	1	2	3	4	5	6	7	8	9 1	10 1	1 12	13	14	15
CLR-1:	Lean Open					7212				Va													
CLR-2:	Designing w		sing PHP		A THE STATE OF	- Marie	(Bloom)	(%)	(%)	Ф	1	=						논		n			
CLR-3:	MYSQL Dat			10.01		24	- 8	ncy		edo		nent		Φ				Work	3				
CLR-4:		pplications	using PHP with MY	'SQL	A P A SA	14-12	- g	Sen	Attainment	8	Sis	elopr	c'	Usage	ē			E		in a	2		
CLR-5:	PERL	פרטי			JC 27 1 1 11	1 15 1	Thinking	offic	Itai	~ ~	alys	eve	esign	Š	Cultur	t &		Le .	fio i	ש ש			
CLR-6:	Advanced P	EKL	_		THE PERSON NAMED IN	Ser 1		d P		ning	Analy	& De		Tool	× 0	ment ability		<u>∞</u> .	g 5	50 -			3
(CLO):	rning Outco	ALU		e, learners will be able to:		· July	Level of	Expected	Expected	Engineering Knowledge	_	Design	Analysis, Research	Modern	Society	Environment Sustainability	Ethics	Individual	Communication	Life Long		1	PSO - 3
CLO-1:	Create a we			The state of the s	20 111 11 2	and bearing	2	80	70	L	Н	-	Н	L	-	:50	-				-	(7)	•
CLO-2:	Design a w				THE MENT	E -	2	85	75	M	Н	L	М	L	-	-	-				-	-	-
CLO-3:			ing PHP with MYSQ)L	mal 1 =	133	2	75	70	M	Н	М	Н	L	-	-	-				-	-	-
CLO-4:	Web page v						2		80	M		IVI	Н	L	-		-		_		-	.50	-
CLO-5:			commands		W. 197	102	2	85	75		Н	_	Н	L	-	-	-		_		-	-	-
CLO-6:	Understand	Advanced	PERL techniques				2	80	70	L	Н	-	Н	L	-	-	-			- 2	-	-	-
Duratio	on (Hour)	T	21	21		1	21		7	1			2	1			Т			21			
S1	SLO-1	PHP BAS		Advanced PHP with MYSQL	Datab	ase				Scal	ar va	riable					P	EARL					
	SLO-2		ion to PHP	Introduction to MYSQL		ase driven a	pplication	s		-		erato					_	dvand		RL			
S2	SLO-1	Web Ser		Exceptions		Sample applications		e applications				Functions						_	Directory Operations				
	SLO-2 Examples Introduction			ced PHP wit					Process Management			-											
S3	SLO-1								Process Communication														
	SLO-2			and the same of th	ced PHP wit																		
S4 -7	SLO-1			Laboratory A : Sample Application using DHD		and the second	The second second		Laboratory 10: String Operations in PER			- 1	Lahoratory 13: Process										
	SLO-2	Laborato	ry 1: COOKIES	MYSQL	Labora	atory 7: PH	P with AJ	AX		Labo	rator	y 10:	String	Oper	ations	In PER	<1	ommu	2.500.000				
S8			CMS -	CMS - Introduction Subroutines					Advanced PERL Techniques														
	SLO-2				with AJAX Input Statements			File I/O															
S9	SLO-1		Structures	Session Functions		Basics				_	Output Statements Open a file												
333333	SLO-2	Function		СОМ	PHP v	vith Ajax Dat ations	abase dri	iven		Hasi				Read from file									

Durat	ion (Hour)	21	21	21	21	21	
S10	SLO-1	Function Types	DOM	PHP with SEO	Hash Functions	Write to file	
	SLO-2	User Defined Functions	CURL	Basics SEO	Basic Input statement	File test	
S11-14 SLO-1		Laboratory 2: SESSIONS	Laboratory 5: Exception Handling	Laboratory 8: Hash Implementation	H aboratory 11 Somno	Laboratory 14 : PERL Database	
	SLO-2	Euboratory E. OEGOTOTTO		Ediboratory 6. Tradit implementation	Education Tr. Conting	Application	
S15	SLO-1	Functions Arrays	Example for Classes and Objects	Introduction Advantages	Examples using Hashes	Database Independent	
	SLO-2	Types of Arrays String Functions	Mail Functions Sample program using Mail Functions	Word Press – Introduction Blog - Introduction	Regular expressions	Perl – Sort Perl reverse sorting	
S16	SLO-1	Date Functions	URL Functions	Simple webpage using CMS	Control structures	Complex sorting	
	SLO-2	Time Functions	Introduction to PHP with MYSQL	BASIC PERL	Modules in PERL	PERL – OOPS	
S 17	SLO-1	Mathematical Functions	PHP and MYSQL functions	Introduction to PERL	Example using Regular expressions	Object	
	SLO-2	User Defined Functions	Database creation	Advantages of PERL	Example using control structure	Class	
S 18-21	SLO-1	Laboratory 3: Shopping cart	Laboratory 6: String Eurotions	Laboratory 9: Array Implementation using	Laboratory 12: Applications using Madulas	Laboratory 15: Advanced PERL	
	SLO-2	using PHP with MYSQL	Laboratory 6: String Functions	PERL	Laboratory 12: Applications using Modules	techniques	

Learning
Learning
Resources
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- Mehdi Achour, Friedhelm, Betz Antony Dovgal, Nuno Lopes, Hannes Magnusson, Georg Richter, Damien Seguy,
 JakubVrana And several others, (1997-2011), "PHP Manual (Download the manual from PHP official website www.php.net)",
 The PHP Documentation Group. (For Units I to III)
 Lee Babin, (2007), "Beginning Ajax with PHP From Novice to Professional", Apres., (For Units IV to V)
- Jaimie Sirovich and Cristian Darie, (2007), "Professional Search Engine Optimization with PHP A Developer's Guide to SEO", Wiley Publishing, Inc., Indianapolis, Indiana.
- 4. Randal L. Schwartz, Tom Phoenix, brian d foy, "Learning Perl, Fifth Edition

	Dlaam's		Continous Learning Assessment(50% Weightage)									
1	Bloom's	CLA - 1 (10%)		CLA – 2 (10%)		CLA -	3 (20%)	CLA -	4# (10%)	Final Examination (50% weightage)		
	Level of Thinking	Theory	Practice	Theory	Practice	Theory	Practice	Theory	Practice	Theory	Practice	
Level 1	Remember	20%	20%	15%	15%	15%	15%	15%	15%	15%	15%	
	Understand											
Level 2	Apply	20%	20%	20%	20%	20%	20%	20%	20%	20%	20%	
	Analyze				, and the state of	N. V.		1		2		
Level 3	Evaluate	10%	10%	15%	15%	15%	15%	15%	15%	15%	15%	
	Create	10120000				333					XX13X1X131	
	Total	100 %		100 %		10	00 %	10	00 %	100%		

[#] CLA - 4 can be from any combination of these: Assignments, Seminars, Short Talks, Mini-Projects, Case-Studies, Self-Study, MOOCs, Certifications, Conf. Paper etc.,

Course Designers										
Experts from Industry	Experts from Higher Technical Institutions	Internal Experts								
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Mr. S. Karthik, Assistant Consultant, Tata Consultancy Services	Dr.S.Sasikala, Associate Professor and Head, Dept. of Computer Science, University of Madras	DrS.Sabeen								