ourse Code P	IPIT/21C302 I OPEN SOURCE LECHNOLOGIES					Course Category C Professional Core L T P C 4 0 2 5														
Pre- Nil Co- Nil requisite Courses Courses					Prog Co	res urs		Nil								48				
Course Offering Computer Science Data Book / Codes/Standards				Nil	4	4	>		K											
Course Learning Rationale (CLR):	Learning The purpose of learning this course is to:					2	3	1	2	3	4	5	6 7	8	9	10	11	12	13	14 15
CLR-1:	Lean Open Source Software									6										
		eb page using	PHP		M'ALIA	>	E	1				_								
	MYSQL Data			- E - F - F - F - F - F - F - F - F - F	151	- C	(1)	3			4	ge	0		ے			g		
		<mark>oplicat</mark> ions usin	ng PHP with MYS	SQL	- is	ficiency	Attainme	500	ysis		Design,	Usage	ture	×	eam	on	5	arning		
	PERL		Z NAME	the state of the s			tta		7		esi			200	-	atio	∞.	ear		
CLR-6:	Advanced P	ERL	217/1/1	377	į	4	AP	i.	Anal			8		5	∞ _	i.S	Mgt.	_		
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Course Le	TAI THE END OF THIS COURSE TEXTINETS WILL BE ADIE TO				eve	Expec	Expec	Engineering	Problem	Design	Analy	Modern	Society &		Individual	Comn	Project	Life Lo	PSO -	PSO-
CLO-1:	: Create a web page using OSS.						70	L	Н	- (Н	L		-	L	L	-	Н	-	
CLO-2:	-2 : Design a web page using PHP					85	75	М	Н	L	M	L		-	М	L	-	Н	-	
CLO-3:	LO-3 : Design a web page using PHP with MYSQL					75	70	M	Н	M	H	L	2 -	1/2	М	L	-	Н	•	2 2
CLO-4:	LO-4: Web page with CMS					85	80	M	Н	M	H	L		-	М	L	-	Н	-	
CLO-5:	O-5 : Web page using PERL commands						75	Н	Н	M	Н	L		-	M	L	•	Н	•	- -
CLO-6:	CLO-6 : Understand Advanced PERL techniques						70	L	H	-	Н	L		-	L	L	•	Н	-	

Duration (Hour)		18	18	18	18	18	
S1		PHP BASICS	Advanced PHP with MYSQL	Database	Scalar variables	PEARL	
	SLO-2	Introduction to PHP	Introduction to MYSQL	Database driven applications	Scalar operators	Advanced PERL	
S2	SLO-1	Web Server	Exceptions	Sample applications	Functions	Directory Operations	
	SLO-2	Examples	Introduction	Advanced PHP with AJAX	Escape sequences	Process Management	
S3 SLO-		Apache Web Server	Error Handling	Advanced PHP with SEO	Lists	Process Communication	
	SLO-2 PHP-Data Types		Error Handling Functions	Advanced PHP with CMS	Arrays	String	
S4	SLO-1	Variables	Predefined variables	AJAX - Introduction	Introduction to arrays	Sorting	
	SLO-2	Constants	Cookies	SEO - Introduction	Types of Array	Smart Matching	
S5 -6	SLO-1	Laboratory 1: COOKIES	Laboratory 4 : Sample Application using PHP MYSQL	Laboratory 7 : PHP with AJAX	Laboratory 10: String Operations in PERL	Laboratory 13: Process communication	
S7	SLO-1	Operators	Cookies Functions	CMS - Introduction	Subroutines	Advanced PERL Techniques	
	SLO-2	Expressions	Sessions	PHP with AJAX	Input Statements	File I/O	
S8	SLO-1	Control Structures	Session Functions	AJAX Basics	Output Statements	Open a file	
	SLO-2	Functions	СОМ	PHP with Ajax Database driven applications	Hashes	Read from file	
S9	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	
S10	SLO-1	Directory Functions	SOAP	Provakative SE Friendly URL's	Basic Output Statement	operators	
	SLO-2	File System	Classes and Objects	Duplicate Content Content Management systems	Subroutines	PERL DBI	
S11-12		Laboratory 2: SESSIONS	Laboratory 5: Exception Handling	Laboratory 8: Hash Implementation	Laboratory 11 : Sorting	Laboratory 14 : PERL Database Application	
	SLO-2						

S13	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
S14	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 15	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
S16	SLO-1	Miscellaneous Functions	Table creation	Data	Example using Modules	Inheritance
	SLO-2	Other Functions	Sample Queries in MYSQL	Scalar Data	Example using File Tests	Encapsulation
S 17- 18	SLO-2	Laboratory 3: Shopping cart using PHP with MYSQL	Laboratory 6: String Functions	Laboratory 9: Array Implementation using PERL	Laboratory 12: Applications using Modules	Laboratory 15 : Advanced PERL techniques

Learning Resources											otimization to SEO", olis, Indiana. nix, brian d
Learning A	Learning Assessment										
Blo	om's		C	ontinuous Le	earning Asse	essment (50	% weightag	e)		Final Exami	nation (50%
	Thinking	CLA -	-1 (10%) CLA - 2 (10%) CLA - 3 (20%) CLA - 4 (10%)#		(10%)#	weightage)					
Level of	minking	Theory	Practice	Theory	Practice	Theory	Practice	Theory	Practice	Theory	Practice
Level 1	Remember Understand	20%	20%	15%	15%	15%	15%	15%	15%	15%	15%
Level 2	Apply Analyze	20%	20%	20%	20%	20%	20%	20%	20%	20%	20%
Level 3	Evaluate Create	10%	10%	15%	15%	15%	15%	15%	15%	15%	15%

Total 100 %		100 %	100 % 100 %		%	100%					
# CLA - 4 can be from any combination of these: Assignments, Seminars, Short Talks, Mini-Projects, Case-Studies, Self-Study, MOOCs,											
Certifications, Conf. Paper	Certifications, Conf. Paper etc.,										
Course Designers	Course Designers										
Experts from Industry	Experts f	rom Higher Technical I	nstitutions		nternal Ex	perts					
Mr. S. Karthik, IT Analyst, Tata Dr. Neelanarayanan,, Professor, School of Computer Science and Mrs.P.Yogalakshmi											
Consultancy Services	Engineeri	ng, VIT Chennai	THE STATE OF THE S		DrS.Sabee	en					

