



VIVEKANANDHA COLLEGE OF ENGINEERING FOR WOMEN  
(Autonomous)  
DEPARTMENT OF INFORMATION TECHNOLOGY



Branch / Year / Semester: Information Technology / II / III

Subject Code and Subject Name: U15IT302 & Open Source Software

Faculty Name: S.SINDUJA AP/IT

**LESSION PLAN**

Session No.	Topics Covered	Duration in Minutes	Teaching AID	Books Referred
<b>UNIT – I</b>				
<b>INTRODUCTION TO OPEN SOURCES</b>				
1.	Introduction to Open sources	45	PPT /BB	ONLINE
2.	Need of Open Sources	45	PPT /BB	ONLINE
3.	Advantages of Open Sources.	45	PPT /BB	ONLINE
4.	Application of Open Sources	45	PPT /BB	ONLINE
<b>UNIT – II</b>				
<b>OPEN SOURCE OPERATING SYSTEM - LINUX</b>				
1	Introduction	45	PPT /BB	1
2	General Overview	45	PPT /BB	1
3	Kernel Mode and user mode	45	PPT /BB	1
4	Process	45	PPT /BB	1
5	Advanced Concepts	45	PPT /BB	1
6	Scheduling	45	PPT /BB	1
7	Signals	45	PPT /BB	1
8	Development with Linux.	45	PPT /BB	1
<b>UNIT – III</b>				
<b>PHP</b>				
1	Essential PHP	45	PPT /BB	2
2	Operators and Flow control	45	PPT /BB	2
3	Strings and Arrays	45	PPT /BB	2
4	Creating functions	45	PPT /BB	2
5	Reading data in web pages	45	PPT /BB	2
6	PHP Browser Handling Power	45	PPT /BB	2
7	File Handling	45	PPT /BB	2
8	Working with Databases.	45	PPT /BB	2
<b>UNIT – IV</b>				
<b>PYTHON</b>				
1	Syntax and Style	45	PPT /BB	3
2	Python Objects	45	PPT /BB	3
3	Numbers ,Sequences,Strings	45	PPT /BB	3
4	Lists and Tuples, Dictionaries	45	PPT /BB	3
5	Conditionals and Loops	45	PPT /BB	3
6	Files and Input and Output	45	PPT /BB	3
7	Functions ,Calling and Creating Function,Passing Function-Formal Arguments	45	PPT /BB	3
8	Functional Programming	45	PPT /BB	3
9	Recursion,Modules,Namespaces	45	PPT /BB	3
10	Importing Modules and	45	PPT /BB	3

	Packages			
<b>UNIT – V</b>				
<b>PERL</b>				
<b>1</b>	PERL overview	45	PPT /BB	4
<b>2,3</b>	Variables and Data	45	PPT /BB	4
<b>4,5</b>	Statements and Control structures	45	PPT /BB	4
<b>6,7</b>	Subroutines, Packages and Modules	45	PPT /BB	4
<b>8,9</b>	Working with Files.	45	PPT/ BB	4

**TEXT BOOKS:**

1. Remy Card, Eric Dumas and Frank Mevel, —The Linux Kernel BookI, Wiley Publications, 2003.
2. Steven Holzner, —PHP: The Complete Referencel, 2<sup>nd</sup> Edition, Tata McGraw-Hill Publishing Company Limited, Indian Reprint 2009.
3. Wesley J. Chun, —Core Python ProgrammingI, Prentice Hall, 2001.
4. Martin C. Brown, —Perl: The Complete Referencel, 2<sup>nd</sup> Edition, Tata McGraw-Hill Publishing Company Limited, Indian Reprint 2009.

**SUBJECT IN CHARGE**

**HOD**

**PRINCIPAL**