Lesson Plan

Faculty : Archana Lopes

CLASS		SE Electronics, Semester III	
Academic Term		July-Dec 2019	
Subject		**Object Oriented Programming Methodology Laboratory**	
Periods (Hours) per week	***Lecture***	***2***	
	Practical	***2***	
	Tutorial	***--***	
Evaluation System		***Hours***	***Marks***
	Theory examination	--	--
	Internal Assessment	--	--
	Practical Examination	--	--
	Oral Examination	--	25
	Term work	--	25
	Total	--	50
Time Table	***Day***	***Time***	
	Temp Time Table(First Two Weeks)		
	Monday	***11.00 a.m.***	
	Tuesday	***8.45a.m.***	
	Thursday	***12.00 p.m.***	
	Final Time Table		
	Monday	***8.45 a.m.***	
	Thursday	***11.00 a.m.***	

Course Content and Lesson plan

Module 1: Introduction to Object Oriented Programming

Week	Lecture No.	Date		Topic	Remarks (If any)	Text Book	CO	PO
		Planned	Actual					

1	1	01/07/2019		Introduction to the subject and COs		B1 B2 B5 B6 B7 B8	**ELXL 304.1**	PO1 PO5
	2	02/07/2019		OOP concepts				
	3	04/07/2019		OOP concepts and features of Java				
2	4	08/07/2019		Basic constructs in Java				
	5	09/07/2019		Operators and Expressions				
	6	11/07/2019		Branching and Looping statements				
Module 2: Classes , Objects and Packages						B1 B2 B5 B6 B7 B8	**ELXL 304.2**	PO3 PO5
3	7	15/07/2019		Class, Object and Method				
	8	18/07/2019		Constructors, method overloading, static methods and members				
4	9	22/07/2019		Passing and returning objects				
	10	25/07/2019		Packages in Java, creating user defined packages, access specifiers				
Module 3: Arrays, Strings and Vector								
5	11	29/07/2019		Arrays				
	12	01/08/2019		String , String buffer				
6	13	05/08/2019		Wrapper classes				
	14	08/08/2019		vector				
Module 4: Inheritance and Interface								
7	15	19/08/2019		Types of inheritance, super keyword		B1 B2 B5	**ELXL 304.3**	PO3 PO5
	16	22/08/2018		Method overriding,				

				abstract class and abstract method		B6 B7 B8		
7	17	26/08/2019		Final keyword, extending interfaces				
Module 5: Exception handling and multi threading								
7	18	29/08/2019		Error vs exception, try, catch, throw , throws		B1 B2 B5 B6 B7 B8	**ELXL 304.4**	PO3 PO5
8	19	09/09/2019		Thread lifecycle, Thread class methods				
	20	12/09/2019		Synchronization				
Module 6: GUI Programming in Java								
9	21	16/09/2019		Applet		B1 B2 B5 B6 B7 B8	**ELXL 304.5**	PO1 PO2 PO3 PO4 PO5 PO9 PO10 PO11
	22	19/09/2019		Creating Applets, graphics class methods				
10	23	23/09/2019		Font and colour class, Parameter passing				
	24	26/09/2019 30/09/2019		Event handling: event class and event listener				
11	25	03/10/2019 07/10/2019 10/10/2019		Introduction to AWT, Programming using JDBC				

Text- Books:

1. Herbert Schildt. "JAVA: The Complete Reference", Ninth Edition, Oracle Press
2. Sachin Malhotra and Saurabh Chaudhary, " Programming in Java"
3. Ivor Hortan, “Beginning JAVA”
4. “JAVA Programming”. Black Book
5. www.nptelvideosin
6. www.w3schools.com
7. http://spoken-tutorial.org
8. www.staredusolutions.org

Term Work:
The term work shall consist of at least **two assignments and ten experiments and a mini project** covering the whole of syllabus, duly recorded and graded.
The final certification and acceptance of term-work ensures the satisfactory performance of laboratory work and minimum passing in the term-work.

Practical and Oral Examination:
Practical and Oral will be based on any experiment performed from the list of experiment given in the syllabus and the entire syllabus

Submitted By	**Approved By**
Prof. Archana Lopes	ii) Prof. K. Narayanan Sign:
Sign:	ii) Prof. Sapna Prabhu Sign:
	iii) Prof. Shilpa Patil Sign:
	iv) Prof. Monica Khanore Sign:
Date of Submission:	**Date of Approval:**
Remarks by PAC (if any)	