



Academic Year 2019 - 20

Course name: - Programming with JAVA

Duration: - 24th Jun 2019 to 28th Jun 2019

Venue: - VIVA Institute of Technology

Co-ordinator: - Prof. Akshata Raut

Enrolled students: - 22

Course Objective:-

1. To understand the basic concepts and fundamentals of platform independent object oriented language.
2. To demonstrate skills in writing programs using exception handling techniques and multithreading.
3. To understand streams and efficient user interface design techniques.
4. To write programs for solving real world problems using java collection framework.
5. To impart hands-on experience with java programming.

Course Outcomes: -

After successful completion of the course, the students are able to

1. Use the syntax and semantics of java programming language and basic concepts of OOP.
2. Develop reusable programs using the concepts of inheritance, polymorphism, interfaces and packages.
3. Apply the concepts of Multithreading and Exception handling to develop efficient and error free codes.
4. Able to write programs for solving real world problems using java collection frame work.

Course Schedule: -

Days	Morning Session (9 am to 12 pm)	Afternoon Session (1 pm to 4 pm)
1	Introduction to Java, Java buzzword, scope, and lifetime	Classes and Objects, Inheritance Exercise
2	Interference, Packages	Exception Handling Exercise
3	Strings, and Library	Multithreading Exercise
4	Applets	Event Handling Exercise
5	Layout Manager	Quiz



Report:-
 Computer engg. department of VIVA Institute of Technology conducted a course on "Programming with JAVA" for second and third year students. Total 22 students had been enrolled for this course.

This course was conducted by Prof. Akshata Raut in order to provide basic knowledge of JAVA programming. This was 30 hrs. certificate course.

During the course students learned basic programming of JAVA. Also students learned all concepts of JAVA like interference, packages, applets and so on. Students practiced of all things concepts in the exercise session. All doubts and errors during programming were solved by the co ordinator.


Students enjoyed the course and completed it successfully.

CO-PO Mapping: -

Course Outcome	Program Outcome												
	PO1	PO2	PO3	PO4	PO5	PO6	PO7	PO8	PO9	PO10	PO11	PO12	
CO1	3	-	-	-	-	-	-	-	-	-	-	-	-
CO2	-	2	-	-	-	-	-	-	-	-	-	-	-
CO3	-	-	3	1	-	-	-	-	-	-	-	-	-
CO4	-	-	3	-	-	-	-	-	-	-	-	-	-
	3	2	3	3	-	-	-	-	-	-	-	-	-

CO PO Justification: -

COs	POs	Justification
CO1	PO1	Strongly mapped as the students will be able to analyse the problem to be implemented using basics of Python.
CO2	PO2	Moderately mapped as the students will be able to identify the technique required to implement the problem.
CO3	PO3	Strongly mapped as the students will be able to find a solution for the problem identified.
	PO4	Slightly mapped as the students will be able to depict the project outcome and future scope.
CO4	PO3	Strongly mapped as the students will be able to develop design methodologies for the system to be developed.


 Ashwini Save
 HOD, Computer Engg.



Academic Year 2019 - 20

Course name: - Learning with Python

Duration: - 24th Dec to 31st Dec 2019

Venue: - VIVA Institute of Technology

Co-ordinator: - Prof. Dyaneshwar Bhabad

Enrolled students: - 15

Course Objective:-

1. To create fully functional Python programs
2. To understand user input
3. To learn about loop structures and conditionals
4. To work with Python file handling

Course Outcomes: -

After successful completion of the course, the students are able to

1. Describe the basics of the Python programming language
2. Install Python and write first program
3. Use variables to store, retrieve and calculate information
4. Utilize core programming tools such as functions and loops
5. Explain the basic principles of Python programming language

Course Schedule: -

Days	Morning Session (9 am to 12 pm)	Afternoon Session (1 pm to 4 pm)
1	Introduction	Install Python and basic python program
2	Basic syntax , variables and strings	Lists, Tuples and Dictionaries. Exercise
3	If-else statements, For loop	While loop, Pass, break and continue Exercise
4	Understanding Functions	File handling – opening and reading
5	Classes and Objects	Exercise Quiz



Report:-

Computer engg. department of VIVA Institute of Technology conducted a course on "Learning with Python" for second and third year students. Total 15 students had been enrolled for this course.

This course was conducted by Prof. Dyaneshwar Bhabad in order to provide basic knowledge of Python programming. This was 30 hrs. certificate course.

During the course students learned how to install Python. They learned all the basic of python like variables, lists, strings. Also students study conditional statements and loops. This course also cover functions and file handling.

Students enjoyed the course and completed it successfully.

CO-PO Mapping: -

Course Outcome	Program Outcome												
	PO1	PO2	PO3	PO4	PO5	PO6	PO7	PO8	PO9	PO10	PO11	PO12	
CO 1	3	-	-	-	-	-	-	-	-	-	-	-	-
CO2	3	-	-	-	-	-	-	-	-	-	-	-	-
CO3	-	-	3	-	-	-	-	-	-	-	-	-	-
CO4	-	-	3	2	-	-	-	-	-	-	-	-	-
CO5	-	3	-	-	-	-	-	-	-	-	-	-	-
	3	3	3	2	-	-	-	-	-	-	-	-	-

CO PO Justification: -

COs	POs	Justification
CO1	PO1	Strongly mapped as the students will be able to analyse the problem to be implemented using basics of Python.
CO2	PO1	Strongly mapped as the students will be able to identify the technique required to implement the problem.
CO3	PO3	Slightly mapped as the students will be able to find a solution for the problem identified.
CO4	PO3	Strongly mapped as the students will be able to find the relevant tools to implement the problem stated.
	PO4	Moderately mapped as the students will be able to find a feasible solution for the problem designed.
CO5	PO2	Strongly mapped as the students will be able to develop design methodologies for the system to be developed.

Ashwini Save

