



Academic Year 2021 - 22

Course name: - Learning with Python

Duration: - 3rd Jan 2022 to 7th Jan 2022

Venue: - VIVA Institute of Technology

Co-ordinator: - Prof. Vinit Raut

Enrolled students: - 13

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 13 students had been enrolled for this course.

This course was conducted by Prof. Vinit Raut 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											
	PO 1	PO 2	PO 3	PO 4	PO 5	PO 6	PO 7	PO 8	PO 9	PO 10	PO 11	PO 12
CO 1	3	-	-	-	-	-	-	-	-	-	-	-
CO2	3	-	-	-	-	-	-	-	-	-	-	-
CO3	-	-	3	-	-	-	-	-	-	-	-	-
CO4	-	-	3	2	-	-	-	-	-	-	-	-
CO5	-	3	-	-	-	-	-	-	-	-	1	1
	3	3	3	2	-	-	-	-	-	-	1	1

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.


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