

Fatima College

(Autonomous)

Mary Land, Madurai - 625018, Tamil Nadu.

DEPARTMENT OF INFORMATION TECHNOLOGY 1.3.2&1.3.3 VALUE ADDED COURSES





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DEPATMENT OF INFORMATION TECHNOLOGY CRASH COURSE

PYTHON PROGRAMMING - 19UGVAI2

No.	Course Outcome	Knowledge Level(According to Bloom'sTaxonomy)
CO 1	Provides an basic concepts of python and its features.	K1
CO 2	Understands the input and output statements in python	K2
CO 3	Explores various control flow statements in python	K2
CO 4	How to create an List and arrays in python.	K3
CO 5	Develop various concepts in tuples in python	K5

UNIT - I: BASICS OF PYTHON PROGRAMMING:

[6HRS]

Structure of Python – Keywords – variable – comments- data types- Literals-Constants – Operators

- operator Precedence.

UNIT - II : PYTHON I/P &O/PSTATEMENT:

[6HRS]

Input statement in Python – Output statement in Python – Python String Formatting Options – Python Math Library.

UNIT - III: PYTHON PROGRAMS ONCOTROLSTATEMENT:

[6HRS]

Decision Making - if statement - if- else statement - if- else if - else Repetition Statement -

forloop

UNIT - IV: PYTHON LIST:

[6HRS]

Read a List Type from a keyboard – Accessing Elements of a List – Modifying Elements of a List – Basic List Operation - Built in function – List function – List Duplication and comparison of Two Lists.

UNIT -V: PYTHON PROGRAMS ON TUPLES:

[6HRS]

How to read a List Type from a keyboard- Accessing Elements of a Tuple – Modifying Elements of a Tuple- Deleting Elements of a Tuple – Basic Tuple Operation – Tuple Built-in Functions.

TEXT BOOK:

"PROBLEM SOLVING AND PYTHON PROGRAMMING" - S.A.KULKARNI.,

Published by Yes Dee Publishing Pvt Ltd., Edition 2017., Printed at Repro Knowledgecast Limited, Thane.

REFERENCE BOOK:

- 1.Python Programming: An Introduction to Computer Science (3rdEdition)-JohnZelie
- 2. Problem solving and PYTHON Programming- P. Radha Ganesan.
- 3. Introduction to Computing & Problem Solving with Python-by Jeeva Jose (Author), Sojan P. Lal (Author)

WEB REFERENCE:

- 1. https://www.w3schools.com/python/python_reference.asp
- 2. https://www.tutorialspoint.com/python/
- **3.**https://www.guru99.com/python-tutorials.html

COURSE DESIGNER: V.MAGESHWARI



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DEPARTMENT OF IT



FATIMA COLLEGE (Autonomous)

Re-Accredited with 'A' Grade by NAAC (3rd Cycle)
College with Potential for Excellence
Mary Land, Madurai - 625018

This is to certify that Ms.K. LOCHANA
has successfully completed the Value Added Crash Course on

PYTHON PROGRAMMING

during the academic year 2020 - 2021 and has been awarded Distinction / First / Second class.

Se. G. Celi Saling Hany

Dr.Sr.G.Celine Sahaya Mary Principal Head of the Department

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