

MAR GREGORIOS COLLEGE OF ARTS & SCIENCE
Department of Computer Applications, Shift I
Add on Course – Python for the Academic Year 2018-2019

Course Duration: 48 hours

Course Objective:

To make students aware in latest development in Python Language, which will improve their placement opportunities in Leading IT companies

Course Syllabus

Introduction to Dynamic Programming Languages, I/O Statements in Python
INPUT, PRINT, FORMAT

Branching and Looping Statements

IF, ELSE, ELIF, NESTED IF VS LOGICAL AND, OR STATEMENTS

Enumerating loops

FOR, WHILE, NESTED FOR, STRING HANDLING, LOOPING STRINGS
WITHOUT INDEX

Python Turtle Graphics Package List and Tuples in python

LIST VS ARRAY, 2D LISTS, LEN, SUM, MIN, MAX, SORT, REVERSE,
MUTABILITY, INDEX, COUNT, APPEND, EXTEND

Functions and Lambda Functions

FUNCTION INTRO, PARAMETERIZED FUNCTION, DEFAULT
ARGUMENTS, TIC-TOC GAME DESIGN

Python GUI

TKINTER, GEOMETRY, COLOR, FONT, LABEL, BUTTON, ENTRY

File Handling

READ, WRITE, APPEND, TRANSFORM



Principal
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