MES’s Institute of Management and Career Courses

MCA II Year-SEM IV

IT-41 Python Programming

**PYTHON LAB4- Exercise on Functions and modules**

1. Program to demonstrate Using the Same Variable Name in Calling Function and Function Definition
2. Program to demonstrate the Return of Multiple Values from a Function Definition
3. Program to Check If a 3 Digit Number Is Armstrong Number or Not
4. Program to demonstrate the Scope of Variables
5. Calculate and Add the Surface Area of Two Cubes. Use Nested Functions
6. Program to demonstrate the Use of Keyword Arguments
7. Program to demonstrate the Use of Keyword Arguments
8. Program to demonstrate the Use of \*args and \*\*kwargs
9. Program to demonstrate Decorators in Python
10. Program to demonstrate Iterator in Python
11. Program to demonstrate Generators in Python
12. Program to demonstrate lambda functions using filter() and map() function.
13. Program to demonstrate the use of math module and use of its various mathematical functions.