DEPARTMENT OF COMPUTER SCIENCE
BASIC PYTHON (Value Added Course)

OBJECTIVES:

- ➢ To enable the students to understand the basic principles of the Python Language.
- ➢ To use the tools to do simple programs in python.

Unit-1

Introduction to Python, Getting Started with Python: Using Anaconda, Starting up IPython. Saving Scripts.

Unit-2

Python language basics: Identifiers, Variables, Standard Data Types. Airthematic Operators, String Operations, Relationnal and Logical Operators, Control Statements.

Unit-3

Functions: Introduction, Built-in Functions, Composition of Functions, User-defined functions, Parameters and Arguments, Function Calls.

Reference Books

1. E. Balaguruswamy, 'Introduction to Computing and Problem-Solving Using Python', TMH
2. T. Budd, 'Exploring Python', TMH
3. Allen Downey, Jeffrey Elkner, Chris Meyers, 'How to think like a computer scientist: learning with Python'.