

## PROGRAMMING WITH PYTHON

Semester	Subject Code	Category	Lecture Hrs		Theory Hrs		Practical		Credits
			Per week	Per Sem	Per week	Per Sem	Per week	Per Sem	
V		Core Practical -6	3	45	0	0	3	45	3

### COURSE OBJECTIVE

This course helps students to develop basic python applications as well as Data visualization concept.

### SYLLABUS

1. Program to implement simple python operations like Arithmetic and String Handling
2. Program to implement control structures using logical and relational operators.
3. Program to implement functions and Modules in python
4. Program to implement Collections: List, Tuples
5. Program to implement Collections: Sets, Dictionary
6. Program to implement Arrays using Numpy
7. Program to implement file Handling : Data streams, Access modes, Read/Write/Seek
8. Program to implement Exceptional Handling: hierarchy, raise, assert
9. Program to implement OOPs: Classes, Objects
10. Program to implement Inheritance Concept
11. Program to implement Data Visualization using Add on Tools
12. Program to Implement CRUD operations using SQLite

**Distribution of Marks: Program Output with Viva voce: 85% and Record: 15%**

### SYLLABUS DESIGNER

1. Mrs. G.Sangeetha Lakshmi, Assistant Professor and Head, Dept of Computer Applications.
2. Mrs. B. Arulmozhi , Assistant Professor and Head, Department of Computer Science
3. Mrs. K. Ayesha, Assistant Professor, Department of Computer Science

