Department:	Department of BCA
Semester:	Semester – VI
Paper Name:	Python Programming
Paper Code:	BCAN - E601A

Syllabus

Module – I	**Introduction to Python**
Module - II	**Python Variables, Expressions, Statements** 2.1 Variables 2.2 Keywords 2.3 Operators & operands 2.4 Expressions 2.5 Statements 2.6 Order of Operations 2.7 String operations 2.8 Comments 2.9 Keyboard Input 2.10 Example Programs
Module - III	**Conditions** 1.1 Modulus operator 1.2 Boolean expression 1.3 Logical operators 1.4 if, if-else, if-elif-else 1.5 Nested conditions 1.6 Example programs
Module – IV	**Iteration** 2.1 while 2.2 for 2.3 break 2.4 continue 2.5 Nested loop 2.6 Example programs
Module – V	**Functions** 3.1 Type conversion function 3.2 Math functions 3.3 Composition of functions 3.4 Defining own function, parameters, arguments 3.5 Importing functions 3.6 Example programs
Module – VI	**Strings** 2.1 Accessing values in string 2.2 Updating strings 2.3 Slicing strings

	2.4 String methods – upper(), find(), lower(), capitalize(), count(), join(), len(), isalnum(), isalpha(), isdigit(), islower(), isnumeric(), isspace(), isupper() max(), min(), replace(), split() 2.5 Example programs
Module – VII	**List** 3.1 Introduction 3.2 Traversal 3.3 Operations 3.4 Slice 3.5 Methods 3.6 Delete element 3.7 Difference between lists and strings 3.8 Example program **Dictionaries** 4.1 Introduction 4.2 Brief idea of dictionaries & lists **Tuples** 5.1 Introduction 5.2 Brief idea of lists & tuples 5.3 Brief idea of dictionaries & tuples
Module – VIII	**Classes & Objects** 1.1 Creating class 1.2 Instance objects 1.3 Accessing attributes 1.4 Built in class attributes 1.5 destroying objects 1.6 Inheritance 1.7 Method overriding 1.8 Overloading methods 1.9 Overloading operators 1.10 Data hiding 1.11 Example program
*** The End ***	