## Prerequisites: Computer Science

## Nischal Chandur

## 1) UE18CS101: Introduction to Computing Using Python

5. File Processing

:18CS101: Introduction to Computing Using Python			
1.	Introduction Programming	to	Limits of Computational Problem Solving Computer Algorithm Computer Hardware Digital Computer Operating System Limits of IC Technology
2.	Process Computational Solving	of	Variables Types Operators and Expressions Control Structures Lists Dictionaries Sets
3.	Functions	•	Default Parameters Variable Number of Arguments
4.	Object-oriented Programming	•	

• Reading and Writing Files.

## 2) UE18CS151: Problem Solving with C

Manipulation

1. Counting Introduction to Programming

Salient Features of 'C'

• Program Structure

Variables

Data Types

Operators and Expressions,

Control Structures,

Input/ Output Functions.

2. Text Processing Single Character Input and Output

and String Arrays and Pointers

Strings, String Manipulation.

3. Prioritized Functions Scheduling

Structures and Unions

**Dynamic Memory Management** 

Lists

Priority Queue.

4. Sorting Sorting

Combination of Structures and Arrays and

**Pointers** 

Callback, Sorting using Callback.

5. Portable File Handling programming and • Enums interfaces

Bit Fields

Storage Class

Qualifiers

Life and Scope

• Pre-Processor Directives

Conditional Compilation, Pragmas.