

# PYTHON SYLLABUS

## CORE

- Syntax
- Comments
- Variables
- Data types
- Numbers
- Casting
- Strings
- Booleans
- Operators
- lists
- tuples
- sets
- dictionaries
- if else if else
- while loop
- for loop
- functions
- lambda
- arrays
- class and objects
- inheritance
- polymorphism
- user input
- read file
- write file
- delete file
- positive negative
- leap year
- multiplication table
- reverse number
- swap number
- decimal to binary
- Fibonacci series
- prime number
- alphabet triangle
- matrix multiplication
- inheritance
- polymorphism
- reading and writing file
- calculator gui
- grocery gui

## GUI

- introduction
- basic
- calculator
- grocery bill

## PRACTICALS

- calculator
- mark sheet
- odd even
- major minor
- greater number