**1. Introduction to Python-**

- Python installation, jupyter installation

- Arithmetic operations in python

- Variables in python.

- Control statements in python.

Mini Project 1- Number guessing game.

- Generating random numbers.

- Taking input from users.

- Relational operators in python

- Checking whether the guessed number is correct or not.

- Giving hints about the actual number to the player.

- Getting the score for the game.

Mini Project 2- Building an Arithmetic Calculator

- Basic operations: Addition, Subtraction, Multiplication, Division

- Creating functions for basic operations

- Creating a main menu for the calculator

- Using functions for performing calculation.

Mini Project 3- Days in a month calculator

- Functions in python

- Collections in python: Lists, Tuples, Set, Dictionary.

- Creating a tuple for month names and number of days in a month

- Constructing a dictionary using a single for loop

- Performing operations using the created dictionary

- Getting the results out of the calculator

 Learn to use numpy for Numerical data

 Learn to use Pandas for Data Analysis

 Learn to use Matplotlib for Python Plotting

 Learn to use Seaborn for statistical plots