LJ Polytechnic, Ahmedabad
CE-IT-AIML-CC-GA [Semester-3]
Python Programming

Assignment - 1		Tentative submission Date
Q#	**Question**	
1	Write a Python script to define variables of different data types, initialize them and display their values.	
2	Write a Python script to demonstrate the use of different operators.	
3	Write a Python script to demonstrate strings and methods associated with them.	**23-08-2024**
4	Briefly explain constants, variables, expressions, keywords, and statements available in Python.	
5	Write a Python program to determine if a given year is a leap year or not.	
6	Write a Python program to calculate sum of first 20 odd numbers.	
7	Write a Python program to find the area of rectangle using user-defined function.	
8	What is the difference between break and continue statement?	

Assignment - 2		Tentative submission Date
Q#	**Question**	
1	List and explain four basic built-in data structure of Python and create all these structure with example.	
2	Write a Python program to remove and add item in a list, tuple and dictionary.	
3	Mention the features of list and differentiate between list and tuple.	
4	Create a Python set such that it shows the element from both lists in a pair.	
5	Define a class Person with properties name, contact and address.	
6	Create a module and package. Import that module.	**10-10-2024**
7	Explain how class properties and methods can be accessed in Python with example.	
8	How polymorphism can be applied in Python. Provide an example.	
9	Explain in brief how can we work with path, files and directories?	
10	Create a path and get a filename from a given path.	
11	Explain in brief how can we work with CSV files?	
12	Write a Python program to get current date and time.	