**SVKM’s NMIMS**

**Mukesh Patel School of Technology Management & Engineering**

**Department of Electronics and Telecommunication Engineering**

**Subject: Data Encryption and Network Security Program: BTech/BTI**

**Semester: VIII/X ACAY: 2020-21**

**EXPERIMENT NO. 0**

**Familiarization with Python**

1. To write a program to form a new string by exchanging first and last character of the original string
2. To write a program to reverse a given number using a while loop
3. To write a program to print 2nd maximum and 2nd minimum number in the list using list sort()
4. To write a program to print the numbers which are not multiple of 5 in the given list using list append()
5. Numpy
   1. Creating 4X4 numpy array
   2. Extract all the elements of 3rd row from a 4x4 array
   3. Reshape the original 4X4 array to 2X8 array
6. Write a function called add\_int that will take two integers as input and return its sum as output
7. To write a Python program to create a dictionary
8. To write a Python program to print keys and values of the dictionary using dict.keys(), dict.items()