

INDUSTRY READINESS TRAINING (MCA 2022 YOP)  
COURSE TIME TABLE (START & END DATE : 25 NOV - 18 DEC)

TRACK 1

PYTHON PROGRAMMER - 40 HOURS

TIMINGS: 6.30 - 8.30 PM (2 HOURS)

SESSIO N NO	DAY	DATE	TOPIC
1	Thu	25-Nov	Python Basics- 1
2	Sat	27-Nov	Python Basics- 2
3	Mon	29-Nov	Python Basics- 3
4	Tue	30-Nov	Python Basics- 4
5	Wed	01-Dec	Python Basics- 5

Object Oriented Python			
6	Thu	02-Dec	Intro to OOPS in Python
7	Fri	03-Dec	Assertion, Decorators
8	Sat	04-Dec	Generators, Iterators

Threading in Python			
9	Mon	06-Dec	Creation of threads using threading module
10	Tue	07-Dec	Execution of threads using threading module

Database Programming			
11	Wed	08-Dec	Intro to Sqlite
12	Thu	09-Dec	Connecting to a database (sqlite)
13	Fri	10-Dec	Sending DML and DDL queries and processing the result from a Python Program

Basic Numerical Processing			
14	Sat	11-Dec	Introduction to Numpy
15	Mon	13-Dec	Creation of vectors and matrices
16	Tue	14-Dec	Matrix manipulation

Basic Data Analysis			
17	Wed	15-Dec	Pandas data structures – Series and DataFrame
18	Thu	16-Dec	Data wrangling using pandas Loading a dataset into a dataframe
19	Fri	17-Dec	Selecting Columns from a dataframe, Selecting Rows from a dataframe
20	Sat	18-Dec	Adding new data in a dataframe, Deleting data from a dataframe