**Data Science in Python(6 Weeks)**

**Introduction** **to** **Python** **Programming**

 Why do we need Python?

 Program structure in Python

**Execution** **steps**

 Interactive Shell

 Executable or script files.

 User Interface or IDE

**Memory** **management** **and** **Garbage** **collections**

 Object creation and deletion

 Object properties

**Data** **Types** **and** **Operations**

 Numbers

 Strings  List

 Tuple

 Dictionary

 Set

 Other Core Types

**Statements** **and** **Syntax** **in** **Python**

 Assignments, Expressions and prints

 If tests and Syntax Rules

 While and For Loops

 Iterations and Comprehensions

Numpy

Pandas

Matplotlib

Seaborn

NLTK

Websrapping

Prediction Model in Data Science

KNN

Leaner