**Part-1 Start with jupyter notebook learn basics syntax-2 days**

* **Basics Arithmetic Operations**
* **Control and conditional structures**
* **Looping- For, While loops**
* **User inputs**
* **Integers**
* **Floating Values**
* **Typecasting**

**Part-2- Focus on IN built Data structures 3 days**

* **Python Strings and Inbuilt functions**
* **Python list and Boolean variables Inbuilt functions**
* **Python Sets- Inbuilt functions**
* **Python Dictionaries – Inbuilt functions**
* **Python Tuples – Inbuilt functions**
* **Functions in python**
* **Lambda functions**
* **Iterators and Generators**
* **Exception Handling & Imports libraries**

**Part3- OOPS is all you need 4-days (Work on IDE)**

* **Start with VS code IDE**
* **Classes**
* **Object**
* **Method**
* **Inheritance**
* **Polymorphism**
* **Data abstraction**
* **Encapsulation**

**Part-4- Libraries with python 2 days**

* **Numpy – play with arrays**
* **Pandas**
* **Matplotlib**
* **Seaborn**
* **Scipy**
* **Focus on performing EDA**

**Path towards specialization (Optional)**

* **Frameworks for Web Development – 2 days**
* **Flask or django**