

PYTHON PROGRAMMING

BEGINNER :

- INTRODUCTION
- DATATYPES
- OPERATORS
- DECISION MAKING STATEMENTS
- CONTROL STATEMENTS
- STRING
- FUNCTIONS
- ARRAYS , LISTS & TUPLES
- SET & DICTIONARIES
- REGULAR EXPRESSION
- DATE TIME

PROGRAMMER :

- INTRO TO OOPS
- INHERITANCE & POLYMORPHISM:
- ABSTRACT CLASS
- ENCAPSULATION
- EXCEPTION
- FILES IN PYTHON
- THREADS
- GRAPHICAL USER INTERFACE
- PYTHON DATABASE CONNECTIVITY
- INTRO TO DATA STRUCTURES
- INTRO TO DJANGO
- INTRO TO DATASCIENCE

PROFESSIONAL

- REVISION OF BASICS
- WORKING WITH FUNCTIONS
- USING PYTHON LIBRARIES
- FILE HANDLING
- IDEA OF ALGORITHMIC EFFICIENCY
- DATA STRUCTURES
- OPERATIONS ON DS - STACKS
- QUEUES
- SEARCHING TECHNIQUES
- SORTING TECHNIQUES
- INTRO TO DATA VISUALISATION

DATA SCIENCE , DATA VISUALISATION:

- REVISION OF BASICS
- ABOUT DATA SCIENCE
- NUMPY
- PANDAS
- ABOUT DATA VISUALISATION
- MATPLOTLIB LIBRARY
- CREATING , CUSTOMIZING PLOT
- SCATTER PLOT
- HISTOGRAM
- BAR CHART
- PIE CHART

PYTHON PROGRAMMING

PYTHON DJANGO:

- Intro , Installation
- Creating Virtual env, Project& app
- Creating Views, Templates
- Creating database Models
- Add Templates
- CRUD Create read Delete record
- CRUD update record
- Django Templates-Variables, Tags
- For loop, Comment,cycle
- Extends, Filter Include 404 template
- Include Django template
- Add static files: css, js file, image file
- Django query set-Introduction, get
- Django query set -Filter, Order By