

1. Python for Data science
2. Machine learning and deep learning libraries of Python
3. Python for Data visualization
4. Advanced topics in python are:
 - System Programming (pipes, threads, forks etc.)
 - Graph Theory (pygraph, Networkx etc)
 - Polynomial manipulation using python
 - Linguistics (FSM, Turing machines etc)
 - Numerical Computations with Python
 - Creating Musical Scores With Python
 - Databases with Python
 - Python Generators and Iterator Protocol
 - Python Meta-programming
 - Python Descriptors
 - Python Decorators (class and method based)
 - Python Buffering Protocol
 - Python Comprehensions
 - Python GIL and multiprocessing and multi-threading
 - Python WSGI protocol
 - Python Context Managers
 - Python Design Patterns