



## **Python 3. \* - Industry Track**

**Duration: 40 Hours**

**Price: INR 23000/-**

1. Database Access: (INR 4000)
  - Relational databases and SQL
  - Connecting to databases with Python
  - Executing SQL queries with Python
  - Working with SQLite/SQL Server databases
2. Networking and Web Programming: (INR 4000)
  - Sockets and network programming
  - Web scraping
  - Intro To Building web applications
3. Advanced Topics: (INR 5000)
  - Multithreading and concurrency
  - Working with XML and JSON data
  - Debugging and profiling Python code
  - Basics of Testing Python code with Pytest
4. Working with some Standard Packages (INR 5000)
  - Pandas – Introduction to Data Engineering
  - NumPy for Data Analysis
  - Unit Testing with PyTest
  - Web services and APIs interaction through requests library
5. Memory Management – Python (INR 5000)
  - Managing Private Heap – Dynamic Memory Allocation

- Garbage Collection
- Memory Profiling
- Memory Optimization
- Memory Views

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