**PYTHON SCRIPTING**

CAPSULE-1: CORE PYTHON PROGRAMMING (12 hours)

* + - Python Fundamentals
    - Operators and Control Flow
    - Datatype based Functions
    - Sets, looping techniques, list comprehensions
    - User defined Functions & Functional programming tools
    - Files
    - Exceptions and Debugging

CAPSULE-2: ADVANCED PYTHON (12 hours)

* + - Modules & Packages
    - Python Standard Library (os/sys/shutil/datetime/glob/config/zlib modules)
    - Python database connectivity
    - Object Oriented Programming in Python
    - Iterators, Generators, Decorators and Closures

CAPSULE-3: PYTHON FOR WEB DEVELOPMENT (12 hours)

* + - Python CGI
    - Network Programming and Multithreading
    - Python GUI
    - Web Application Development using Django

CAPSULE-4: SAMPLE PYTHON PROJECT (12 hours)

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