



# Jmeter Tool-Performance Testing

## Topics Covered

- Introduction to Testing
- Introduction to Life Cycles & Terminologies
- Concepts of Functional & Non-Functional Testing
- Testing tools in Market
- Introduction to Performance testing.
- PTLC – Performance testing life cycle
  - Proof Of Concept (POC)
  - NFR Gathering
  - Test Plan
  - Work Load Model
- Introduction to Jmeter
- Jmeter Architecture & Pre-Requisites
- Jmeter Protocols
  - Web Http/Html
  - Web Service
- Scripting & Enhancements
  - Non Test elements
  - Test elements
    - Correlations
    - Parameterization
    - Check Points
    - Analysis
    - Advanced Programming Techniques

- Bean Shell Programming Techniques
- Miscellaneous Tool
  - Fiddler
  - Postman
  - SOAP
- Types of testing
- GUI Testing & Non-GUI Testing
- Distributed Testing
- Little's Law & Pacing Calculations
- Performance Engineering & Analysis
  - Client-Side Statistics
  - Server-Side Statistics
  - Application Level
  - Code Level
- Monitoring Tools
  - Perfmon
  - Profiling Tools
  - New Relic
- Dumps & GC
- Bottle Necks & Counters
- Integration – Jenkins with Jmeter

