AiiTE Academy
Lead Everywhere by Learning

# Performance Testing With JMeter

APACHE **JMeter**™

▶ **Course Curriculum**

# About AiiTE

Welcome to AiiTE Academy, where we help you master the latest IT skills for a successful career in technology. Established in April 2019, we are Chennai's top IT training academy, offering high-quality courses in machine learning, artificial intelligence, full-stack development, and quality assurance testing. Our expert instructors provide hands-on training to ensure you gain the practical knowledge needed to excel. With flexible learning options, AiiTE Academy is committed to preparing you for success in the fast-paced IT industry.

# Why Choose AiiTE

Hands-on Learning

Career Focused Training

Flexible Learning Options

Expert Trainers

# Our Vision

To be recognized as the best IT training institute in Chennai, known for our innovative teaching methods and commitment to producing industry-ready professionals.

# Our Mission

To equip students with cutting-edge IT skills and provide them with the knowledge needed to excel in their careers.

SINCE

2019

55+
Certified
Courses

250+
Placement
Tieups

9000+
Students

45+
Expert
Trainers

100%
Placements
Assistance

6500+
Successful
Placements

## Java Basic:

- **Class and Object**
- **Methods and Function**
- **Oops Concept**
  - Inheritance
  - Polymorphism
  - Abstraction
  - Encapsulation
- **Constructors**

## JMeter

- **Introduction of JMeter**
- **Features and advantages**
- **Performance Testing Life Cycle**
- **Install latest Java jdk**
- **Down Load and Installation of JMeter**
- **Folder Structure**

## Basics And Features

- TestPlan
- Thread Groups
- Samplers(Request)
- Listeners
- Config Elements
- Assertions
- Timers
- Pre & Post-Processors
- Recording a JMeter Script

## Thread Groups

- Adding Threads (Users) to the Test
- Ramp Up - Increasing load to the Test
- Thread Group - Scheduler Configurations
- Adding external Thread Group Plugins

## Samplers(Request)

- STMP Sampler Script
- JDBC Sampler Script
- JUnit Sampler Script
- Integrating with Selenium WebDriver - Script
- WebDriver Set Sampler - Script

## Timers

- Constant Timer
- Random Timers - Constant, Gaussian & Poisson Random Timers
- Synchronizing Timer

## Logic Controllers

- Simple, Once only & Loop controllers
- Random and Random order controllers
- Interleave controller
- Throughput controller
- Runtime controller
- If and While controllers
- Switch, Module and Include controller
- ForEach controller with Regular Expression Extractor
- ForEach controller with Xpath Extractor
- Download Controllers JMeter Scripts

## Assertions

- Duration and size assertions
- xml and xml schema assertions
- Html assertions
- Response assertion
- Xpath and Comparison assertions
- Assertion Scripts

## Config Elements

- Random Variables and Counters
- Http, Ftp, Java, JDBC, UDV etc
- Http Authentication Manager, Cookies, CSV Data Set Config

## Recording The Jmeter Scripts

- Recording the Application under test with JMeter
- Recording and PlayBack JMeter Scripts

## Http Cookie Manager To Capture Sessions

- Why we need to add cookie manager in tests?
- Usage of cookie Manager in jmeter tests

## Data Driven Testing With JMeter

- Request Samplers from Scratch with out recording
- Datadrive the data into application

## Advanced Jmeter:

- Introduction to beanshell Scripting in Jmeter
- JMeter with CI/CD Tools- Integrating with Jenkins, CLI execution
- Jmeter Validations in Non GUI Mode
- Parameterization - using Multiple Values
- CSV Data Set Config
- JMeter Functions & Variables
- Load test Execution and Analyzing the results
- Load Test Execution with server Monitoring

# Thank You!

We're excited at the opportunity to work together and make this training program a success. Let's put our heads together and create an engaging and rewarding learning experience that Will benefit everyone involved.

## Connect With Us

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