# QUALITY ENGINEERING

## SOFTWARE ARCHITECTURES
- N-Tier Architecture
- Distributed Computing
- SOA
- SaaS

## TESTING FUNDAMENTALS
- Test Strategy, Test Plans, Test Cases
- Testing Life Cycle
- Testing Strategies
- Test Management Tools — Quality Center, Rally, JIRA, Bugzilla

## PERFORMANCE TESTING
- Performance Testing Fundamentals
- Tools - LoadRunner, JMeter

## WHITEBOX TESTING
- Junit
- TestNG
- Jhat, JMap, JConsole
- JCoverage, Cobertura

## MOBILE TESTING
- Mobile Testing Fundamentals
- Android SDK Tools, DDMS
- adb, logcat, emulator
- Mobile Automation

## ADVANCED JAVA CONCEPTS
- Exceptions
- File Operations
- Java Util, Collections
- Threads

## SQL, PL/SQL
- Database Models
- RDBMS
- DML, DDL, DCL, TCL
- Cursors, Triggers, Packages

## SOFTWARE ARCHITECTURES
- UNIX
- Cygwin
- Ubuntu
- Basic Unix Commands
- Shell Scripting

## WEB FUNDAMENTALS
- HTTP, HTTPS, Javascript
- XML, XSD, JSON,
- XPath
- HTML, CSS

## WEB SERVICES
- Web Service Fundamentals
- XML, JSON, SOAP, REST,
- WSDL, WADL, HTTPClient
- Tools - SOAPUI

## WEB AUTOMATION
- QTP
- Selenium IDE, Selenium RC
- Selenium WebDriver
- Selenium Grid

## CORE JAVA
- Language Fundamentals
- Operators, Statements
- Arrays, Strings
- OOPS Concepts

## OTHERS
- Build Tools - ANT, MAVEN
- Continuous Integration—Jenkins
- Appium
- Selendroid