

## **Curriculum**

1. Introduction to testNG
2. Installing and configuring testNG with Eclipse
3. TestNg tests:
  - a. TestNG test cases
  - b. TestNG test suite
4. TestNG annotations
  - a. @BeforeSuite
  - b. @AfterSuite
  - c. @BeforeTest
  - d. @AfterTest
  - e. @BeforeGroups
  - f. @AfterGroups
  - g. @BeforeClass
  - h. @AfterClass
  - i. @BeforeMethod
  - j. @AfterMethod
5. Possible parameters for above annotations
  - a. alwaysRun
  - b. dependsOnGroups
  - c. DependsOnMethods
  - d. enabled
  - e. groups
  - f. inheritGroups
6. @DataProvider of TestNG data driven testing
7. The 'name' parameter
8. The 'parallel' parameter
9. @factory: TestNG test class generator
10. @Listener(value): a TestNG class listener
11. @Parameters(value): a way to pass value to a method
12. @Test: main test method:
  - a. alwaysrun
  - b. dataProvider
  - c. dataProviderClass
  - d. dependsOnGroups
  - e. dependsOnMethods
  - f. description
  - g. enabled
  - h. expectedExceptionis
  - i. groups
  - j. invocationCount
  - k. invocationTimeOut
  - l. priority
  - m. sucessPercentage
  - n. timeOut
  - o. threadPoolSize
13. TestNG Reporter for high level reporting
14. TestNG XML file for test suite management

- a. What is TestNG
  - b. Running TestNG from eclipse, Ant and command line
  - c. Format of TestNG
  - d. Parallel threading
  - e. Using include tag
  - f. Working on package label
  - g. Working for group label
  - h. Working for class label
  - i. Working for parameterization
  - j. Common attributes of tags
15. Special Tricks on TestNG
- a. TestNG data driven testing using parameterization and data from excel file
  - b. TestNG multi browser testing
  - c. TestNG multi threading
  - d. TestNG reporting