



## Session 4.12

## Extent Reports

AN INITIATIVE BY

**UNICAL ACADEMY**



Let's go!!!

## Extent Reports

- ExtentReports is an open-source reporting library for test automation which can be easily integrated with all test-frameworks such as TestNG, JUnit, NUnit etc.
- These reports are high rich HTML reports. It provides results in the form of PIE charts.
- Using Extent Reports we could generate custom logs, add snapshots. We could use external XML file to provide extra information.

### **We can provide below information to the report using XML file:**

1. Report Title
2. Report Name
3. Report Headline
4. Environment Information
5. Host Name
6. User Name
7. Date Format
8. Time Format

### **Advantages of Extent Reports:**

- Responsive and aesthetically pleasing User Interface
- It provides dashboard for the entire test run
- Generates reports in the form of PIE Chart
- Allows us to append the new report with the existing report or to replace the existing report with the new report
- Able to change the display order of the tests (i.e., Old test at the top and Newest at the end or viceversa)
- Can be integrated step-wise log information in the report
- Feasibility to include screenshots in the report
- Can add information like Host Name, OS Details, Author Name, Environment Information related to the test suite execution etc.,
- Can be customized heavily using an external config file such as Report Name,
- It supports testing frameworks like TestNG, JUnit, NUnit etc.,

# Extent Reports

## Generating Extent Reports:

### **1. Pre-requisites to Generate Extent Reports:**

Java should be installed – [Install and setup Java](#)

TestNG should be installed – [Install TestNG](#)

Extent Report Jars (Version 2.41.2) – [Download](#)

extent-config.xml – It allows to configure HTML Report

### **2. Steps To Generate Extent Reports:**

Firstly, create a TestNG project in eclipse

Now download extent library files from the following

link: <http://extentreports.relevantcodes.com/>

Add the downloaded library files to your project

Create a java class say 'ExtentReportsClass' and add the following code to it

# Extent Reports Class & Extent Test Class

## Extent Reports Class:

- **Extent Reports:** By using this class we set the path where our reports need to generate.
- **Extent Test:** By using this class we could generate the logs in the report.

## Methods:

- StartTest with @BeforeTest annotation
- endReport with @AfterMethod annotation

## Extent-config.xml:

- By using this external XML file (extent-config.xml), we could change the details such as Report Theme (either standard or dark), Report Title, Document Title etc.,
- We use extent object and use loadConfig() method to load this XML file.

- Refresh the project after execution of above ExtentReportsClass.java file. You could find an HTML file named “STMExtentReport.html” in your test-output folder.
- Copy the location of the STMExtentReport.html file and open it by using any browser.
- Once you open the report, you will see HTML test results as shown below.



