Course Goals and Non Goals

Course Goals

- At the end of this program, participants gain an understanding of Verification & Validation process in project
- Participants get an understanding of different testing approaches, techniques & types
- They also learn how to create effective test cases using the different testing techniques to get a good test coverage of a software application
- Participants get an understanding of Importance of monitoring progress in testing process & different project metrics

Course Non Goals

- This course does not cover automation process of testing.

Pre-requisites

None

Intended Audience

Test Engineers, Software Engineers and Senior Software Engineers

Day Wise Schedule

Day 1
- Lesson 1: Fundamentals of Testing
- Lesson 2: Types of Testing Techniques & Test Case Design

Day 2
- Lesson 2: Types of Testing Techniques & Test Case Design (Cont.)

Day 3
- Lesson 2: Types of Testing Techniques & Test Case Design (Cont.)

Day 4
- Lesson 3: Testing throughout the Software Life Cycle
- Lesson 4: Test Management & Test Case Execution

Day 5
- Lesson 5: Testing Metrics
- Lesson 6: Tool Supporting for Testing

Table of Contents

Table of Contents

Table of Contents

Lesson 1: Fundamentals of Testing

Table of Contents

Table of Contents

Table of Contents

Lesson 2: Types of Testing Techniques & Test Case Design

Table of Contents

Table of Contents

Table of Contents

Table of Contents

Table of Contents

Lesson 6: Tool Supporting for Testing

References

Student material:

- Class Book (presentation slides with notes)
- Lab book

Book:

- Testing Computer Software – Cem Kaner
- Software Testing in the Real World – Edward Kit
- Effective methods for Software testing – William E. Perry
- Software Engineering -A Practitioner's Approach – Roger S. Pressman
- Software Testing Techniques – Boris Beizer

Web-site:

- http://www.softwaretesting.org
- http://www.onestoptesting.com/introduction/

Next Step Courses

Automation testing