



Noble Software Consulting *IT Training*

QA COURSE OVERVIEW

This course will cover different methodologies of QA, types and levels of testing, test designing techniques, principles of automation testing, quality frameworks like - ISO 9001, CMMi and ITIL . The participants will do one case study in the classroom each day, either individually or in groups, to put the theory in practice. Besides this, it is expected that the participants will also test their favorite website(s) as part of their home work, and the defects found to be discussed in the next class with the instructor.

QA COURSE – 40 HRS

Day 1

- ❖ Goal of software testing?
- ❖ Test strategy, test plan
- ❖ Test case, test suite
- ❖ Test case writing styles
- ❖ Elements of a defect report
- ❖ Defect life cycle
- ❖ Test designing techniques – Black Box (BB), White Box (WB)
- ❖ Case study 1

Day 2

- ❖ Recap of what is covered on day 1
- ❖ Qs and As on what is covered on day 1
- ❖ Test designing techniques – Black Box (BB), White Box (WB) continued...
- ❖ Case study 2
- ❖ Software Development Life Cycle (SDLC) Vs Software Testing Life Cycle (STLC), V-model
- ❖ Types of testing - Functional, non-functional, Graphical User Interface (GUI), usability, database, localization testing
- ❖ Levels of testing - Unit, integration, system, acceptance testing, Alpha & Beta testing

Day 3

- ❖ Recap of what is covered on day 2
- ❖ Qs and As on what is covered on previous days
- ❖ Levels of testing - system & acceptance testing continued....
- ❖ Test scenarios
- ❖ Case study 3
- ❖ Test automation – it's history and evolution to today, when to automate
- ❖ Test automation tools – WinRunner, QTP
- ❖ Defect reporting tools – PVCS defect tracker, MKS track integrity
- ❖ Test management tools – Test Director, Quality Center

Day 4

- ❖ Recap of what is covered on day 3
- ❖ Qs and As on what is covered on previous days
- ❖ Non functional testing – Performance, stress, load testing, security, concurrency
- ❖ Test scenarios continued....
- ❖ Case study 4
- ❖ Regression, modification, impact and retesting
- ❖ Quality frameworks – ISO 9001, CMMi, ITIL

Day 5

- ❖ Recap of what is covered on day 4
- ❖ Qs and As on what is covered on previous days
- ❖ Quality frameworks – ISO 9001, CMMi, ITIL continued
- ❖ When to stop testing?
- ❖ Case study 5
- ❖ Recap of the whole course
- ❖ Qs and As