

# Test Design Techniques

Course code: ATPTA2

Learn advanced test design techniques and their use in practice.

## What we teach you

- How to test input combinations
- How to choose suitable combinations for a large number of inputs
- How to use even basic test design techniques for more complex test design
- What specific tools are used for combinatorial testing
- How to use advanced test analysis techniques in practice

## Required skills

- We recommend at least one year of experience in test analysis
- Attending the Test Analysis in Practice course is an advantage
- Strongly recommended: ISTQB Foundation Level or knowledge of basic test design techniques

## Teaching materials

Tesena guide book for this course.

## Course outline

- Advanced test analysis and advanced test design techniques
- Combinatorics and Combinatorial Testing
- Test design techniques
- N-way testing (Pairwise, Orthogonal Arrays, Covering Arrays)
- Test parameters analysis (Boundary Value Analysis, Equivalence Partitioning)
- Classification tree
- Decision table
- State transition

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