SOFTWARE TESTING

1. Fundamentals of Testing
   1. What is Testing?
   2. Why is Testing Necessary?
   3. Seven Testing Principles
   4. Test Process
   5. The Psychology of Testing
2. Testing Throughout the Software Development Lifecycle
   1. Software Development Lifecycle Models
   2. Test Levels
   3. Test Types
   4. Maintenance Testing
3. Static Testing
   1. Static Testing Basics
   2. Review Process
4. Test Techniques
   1. Categories of Test Techniques
   2. Black-box Test Techniques
   3. White-box Test Techniques
   4. Experience-based Test Techniques
5. Test Management
   1. Test Organization
   2. Test Planning and Estimation
   3. Test Monitoring and Control
   4. Configuration Management
   5. Risks and Testing
   6. Defect Management
6. Tool Support for Testing
   1. Test Tool Considerations
   2. Effective Use of Tools
7. Pilot Project