Certified Professional for Software Architecture (CPSA)

1. Basic Concepts of Software Architecture
    - Definition of Software Architecture
    - Goals and Benefits of Software Architecture
    - Software Architecture as Part of Software Lifecycle
    - Task and Responsibilities
    - Role of Software Architects to Other Stakeholders
    - Correlation between development Approaches and Software Architecture
    - Short terms vs Long Term Goals
    - Explicit Statement and Implicit Assumptions
    - Software Architects Responsivities
    - Types of IT systems
    - Challenges in Distributed Systems
2. Design and Development of Software Architectures
    - Select and Use Approaches for Architecture Development
    - Design Software Architecture
    - Influence Software Architrave
    - Cross Cutting Concepts
    - Important Solutions Patterns
    - Design Principles
    - Dependencies between building blocks
    - Achieve Quality requirements
    - Design and Define Interfaces
    - Fundament of Software Deployment
3. Specification and Communication of Software Architectures
    - Technical Documentation
    - Communicate Software Architecture
    - Notation and Models
    - Use of Architectural View
    - Context View of Systems
    - Communication Cross Cutting Concepts
    - Interfaces
    - Architectural Decisions
    - Additional Resources and Tools for Documentation
4. Software Architecture and Quality
    - Quality Models and Characteristics
    - Quality Requirement for Software Architectures
    - Qualitive Analysis for Software Architectures
    - Quantitative Evaluation of Software Architectures
5. Example Of Software Architectures
    - Relation between Requirement, Constraint and Solutions
    - Solutions Technical Implementation