SOFTWARE DESIGN AND ARCHITECTURE CERTIFICATION

As per International Standards

UNICHRONE

Unichrone Training Advantages

- ✔ 1 Day Interactive Instructor-led Online/Classroom or Group Training

- ✔ Course study materials designed by subject matter experts

- ✔ Mock Tests to prepare in a best way

- ✔ Highly qualified, expert & accredited trainers with vast experience

- ✔ Enrich with Industry best practices and case studies and present trends

- ✔ Software Design and Architecture Training Course adhered with International Standards

- ✔ End-to-end support via phone, mail, and chat

- ✔ Convenient Weekday/weekend Software Design and Architecture Training Course schedule

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About Unichrone

✔ We are a professional training institute with an extensive portfolio of professional certification courses. Our training programs are meant for those who want to expand their horizons by acquiring professional certifications across the spectrum. We train small- and medium-sized organizations all around the world, including in USA, Canada, Australia, UK, Ireland and Germany.

Guaranteed Quality

Handpicked Trainers

Global Presence

Online Training Option

We've trained professionals across global companies

PHILIPS

AXCESS
FINACIAL PRODUCT MANAGEMENT

CLARIANT

AkerSolutions

WÜRTH

baycoat

DU PONT

DASHTI

GlobalSign

TriskeleLabs

مصرف الراجحي
Al Rajhi Bank

DHL

ARASCO أراسكو

EMERSON

accenture

VOLVO

AMA
AMERICAN MEDICAL ASSOCIATION

sitel group

signify

Atos

LEAR CORPORATION

Importance of Software Design and Architecture Training

✔ Software Design and Architecture Certification stands as a valuable qualification showcasing an individual's adeptness in creating sophisticated software solutions. This implies that this credential validates the ability to articulate software systems that are not only functional but maintainable and scalable. Enterprises strive to stay competitive and innovate. Consequently, skilled professionals who can design robust and efficient software solutions are in high demand. The advantages of obtaining this certification are manifold. It opens doors to many roles where the knowledge of design patterns and architecture is important.

✔ Software Design and Architecture Training prepares candidates to be able to design, implement as well as manage complex software systems. It normally includes aspects such as the principles of object-oriented design, design patterns, architectural patterns, and QoS characteristics. Based on studying of portfolios and CVs, one can mention that candidates come through the requisite knowledge about SDM, gain practical experience by working on software development projects, and improve their analytical thinking as well as problem-solving skills.

ELIGIBILITY CRITERIA

✓ Aspirants need not meet any requirements to pursue Software Design and Architecture Training Course. However, having prior knowledge is beneficial.

WHO SHOULD ATTEND

✓ Any individual who wants to gain skills in Software Design and Architecture can enroll in the Software Design and Architecture Training course.

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SOFTWARE DESIGN AND ARCHITECTURE CERTIFICATION **ADVANTAGES**

CERTIFIES YOUR TALENT

HELPS BUILDING VALUES

GLOBAL RECOGNITION

PERFECT EXECUTION

BUILDS CUSTOMER LOYALTY

MORE EMPLOYABILITY OPTIONS

Syllabus of Software Design and Architecture Training

Lesson 01 – Introduction of Software Architecture and Design
1. Software Architecture
2. Software Design
3. Goals of Architecture
4. Role of Software Architect
5. Quality Attributes
6. Quality Scenarios

Lesson 2 – Key Principles
1. Architectural Style
2. Common Architectural Design
3. Types of Architecture
4. Architecture Design Process
5. Key Architecture Principles
6. Key Design Principles

Syllabus of Software Design and Architecture Training

Lesson 03 – Architecture Models
1. UML
2. Architecture View Model
3. Architecture Description Languages

Lesson 04 – Object-Oriented Paradigm
1. Introduction to Object-Oriented Paradigm
2. Object-Oriented Analysis
3. Object-Oriented Design

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Syllabus of Software Design and Architecture Training

Lesson 05 – Data Flow Architecture
1. Batch Sequential
2. Pipe and Filter Architecture
3. Process Control Architecture

Lesson 06 – Data-Centered Architecture
1. Introduction to Data Centered Architecture
2. Types of Components
3. Repository Architecture Style
4. Blackboard Architecture Style

Syllabus of Software Design and Architecture Training

Lesson 07 – Hierarchical Architecture
1. Main-Subroutine
2. Master-Slave
3. Virtual Machine Architecture
4. Layered Style

Lesson 08 – Interaction-Oriented Architecture
1. Model-View-Controller
2. Presentation-Abstraction-Control

Syllabus of Software Design and Architecture Training

Lesson 09 – Distributed Architecture
1. Client-Server Architecture
2. Multi-Tier Architecture
3. Broker Architectural Style
4. Service-Oriented Architecture

Lesson 10 – Component-Based Architecture
1. What is a Component?
2. Principles of Component-Based Design
3. Component-Level Design Guidelines
4. Conducting Component-Level Design

Syllabus of Software Design and Architecture Training

Lesson 11– Graphical User Interface

1.	Graphical User Interface
2.	Design of User Interface
3.	User Interface Development Process
4.	Design Considerations of User Interface

Lesson 12 – Architecture Techniques

1.	Iterative and Incremental Approach
2.	Architecture Review
3.	Communicating the Architecture Design

Exam Format of Software Design and Architecture Certification

Examination Format	
Exam Name	**Software Design and Architecture Exam**
Exam Format	Multiple Choice
Total Questions & Duration	30 Questions, 1 Hour
Passing Score	Minimum passing score of 70%
Exam Cost	Included in training fee

To get you fully prepared with the knowledge and skills for Software Design and Architecture, a training session at Unichrone gives immense importance to mock questions at the end of every module and problem-solving exercises within the session. Prepared by certified faculty, the practice tests are a true simulation of the Software Design and Architecture exam.

Contact Us

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