

BCS Practitioner Certificate in Systems Modelling Techniques Course

Course Duration : 32 Hours

Course code : BCS-SMT-701

1. Course Overview

The BCS Practitioner Certificate in Systems Modelling Techniques Course is designed to provide professionals with in-depth knowledge of modeling techniques used to analyze and design business and IT systems. This course focuses on understanding how to represent complex systems visually using structured models to improve communication and decision-making.

2. What you'll learn?

- Fundamentals of systems modeling techniques
- Data modeling and entity relationship diagrams (ERD)
- Process modeling and business workflows
- Object-oriented modeling and UML diagrams
- Visual representation of system requirements
- Preparation for BCS Practitioner certification exam

3. Target Audience

- Business analysts and system analysts
- IT professionals and software developers
- Project managers and team leads
- Solution architects and consultants
- Professionals involved in system design

4. Pre-Requisites

- Basic understanding of business analysis or IT systems
- Familiarity with software development concepts
- Experience in project environments (recommended)
- BCS Foundation certification (preferred but not mandatory)

5. Course Content (Modules)

Module 1: Introduction to Systems Modelling

- Overview of modelling techniques
- Importance of modelling in system design
- Types of models

Module 2: Software Development Lifecycle (SDLC)

- Phases of SDLC
- Agile vs Waterfall methodologies
- Requirement gathering basics

Module 3: Design & User Experience

- Basics of system design
- UX/UI principles
- Prototyping and wireframing

Module 4: Development, Testing & Deployment

- Development approaches
- Testing strategies and quality assurance
- Deployment and maintenance

Module 5: Case Studies & Certification Preparation

- Real-world digital solution examples
- Best practices
- BCS exam preparation

