System Analyst Certification

Why the certification is relevant

When computerising a system, as a requirement of the data processing or the information need, it is necessary to analyse the system from different angles. Whilst satisfying such need, the analysis of the system is a basic necessity for an efficient system design. The need for System Analysts' includes the analysis of System Objectives, System Boundaries, System Importance, Nature of The System, Role of the System as an Interface, Participation of Users, Understanding of Resource Needs as well as Assessment of Feasibility.

Focus of the System Analyst

Systems analysis and design, as performed by Systems Analysts, seeks to understand what humans need to analyse data input or data flow systematically, process or transform data, store data and output information in the context of a particular organisation or enterprise. By doing thorough analysis, analysts seek to identify and solve the right problems. Furthermore, systems analysis and design is used to analyse, design, and implement improvements in the support of users and the functioning of businesses that can be accomplished through the use of computerised information systems. System analysis will cut costs on investment and save time for system designers and developers. The System Analyst Program can be integrated into any relevant organisation. It does so by adding the following theory, practice and modelling capabilities.

Theories Practitioners will learn

- Identify system and solution requirements
- System and solution design
- Configure systems and solutions
- Develop system and solution standards
- Ensure system and solution integration

What Practitioners will work with in Practice

- Work with IT owners and executives
- Define system and solution standardisation
- Ensure system and solution compliance
- Set up system and solution measures and monitoring
- Benchmark system and solution maturity

Modelling capabilities Practitioners will gain

- System and Solution Requirements
- System and Solution Roles
- System and Solution Rules & Compliance
- System and Solution Functions
- System and Solution Services

Enterprise Standards used

OMG (software standards):
- UML - Unified Modelling Language
- BPMN - Business Process Modelling Notations
- DMN - Decision Modelling Notations

LEADing Practice (Enterprise Standards):
- eXtended BPMN
- System Ontology
- System Taxonomy
- System Classification & Categorisation
- System Artefacts
- System Modelling Notations (SMN)
- System Lifecycle

Open Group System Information Architecture
IEEE Information Engineering standards
ISO 42010 Systems & Software Engineering
ITIL 3 (IT delivery concept)
COBIT (Governance)