



IT042: Systems Design and Analysis



Training Description:

Systems analysis is the discipline that transforms business requirements into technical specifications. The system analyst is the centre of the technical implementation of the solution to business problems. The system analyst determines how the business solution will be implemented, designing the data and processes that turn the business requirements into a functioning system in production. The systems analyst has a solid technical background and an understanding of the business environment and organisation's needs. This five-day highly interactive course helps the systems analyst embrace the technological solutions and relate those solutions to the business requirements. The course presents a variety of analytical and design methods. Participants will learn the concept and application of each method through exercises and workshops built around a single case study. Attendees will also be introduced to the syntax and format of various diagramming and modelling techniques used to further analyse and design the technical solution.

Training Objectives:

By the end of the training, participants will be able to:

- ✓ Choose and apply the appropriate analysis and modelling techniques to business and technical problems
- ✓ Read and prepare a data model, such as the entity relationship model or the class diagram
- ✓ Identify which process model, either Unified Modelling Language (UML) or non-UML, is suitable to the problem to be analysed
- ✓ Create and analyse behaviour models such as use cases
- ✓ Apply analysis and design techniques to various forms of software development life cycles such as linear, iterative and agile

Training Designed for:

This course is intended for software professionals who lead, manage, execute or control the development of software systems. It will be of immense value to Product Managers, Project Managers, Team Leaders, Systems Engineers, Software Engineers, Programmers, Programmer Analysts, Systems Analysts, Business Analysts and Web Developers.

Training Program:

FIVE DAYS:

- ❖ PRE-TEST
- ❖ Introduction
- ❖ Modelling approaches
- ❖ Analysis and design considerations
- ❖ Data modelling concepts
- ❖ Analyse with data models
- ❖ Analysis consideration
- ❖ Process modelling concepts
- ❖ Data flow diagrams
- ❖ Behaviour modelling concepts
- ❖ Use case modelling





- ❖ Designing with use cases
- ❖ Course Conclusion
- ❖ POST-TEST and EVALUATION

Training Requirement:

“Hand’s on practical sessions, equipment and software will be applied during the course if required and as per the client’s request”.

Please note that the above topics can be amended as per client’s learning needs and objectives. Further, it should be forwarded to us a month prior to the course dates.

Training Methodology:

This interactive training course includes the following training methodologies as a percentage of the total tuition hours:-

- 30% Lectures, Concepts, Role Play
- 70% Workshops & Work Presentations, Techniques, Based on Case Studies & Practical Exercises, Software & General Discussions
- Pre and Post Test

Training Certificate(s):

Internationally recognized certificate(s) will be issued to each participant who completed the course.

Training Fees:

As per the course location - This rate includes participant’s manual, hand-outs, buffet lunch, coffee/tea on arrival, morning & afternoon of each day.

Note: The 5% VAT (Value Added Tax), will be effective starting 01st of January 2018 as per the new regulation from the UAE Government. The VAT applies for all quotation both for local and abroad.

Training Timings:

Daily Timings:

07:45 - 08:00	Morning Coffee / Tea
08:00 - 10:00	First Session
10:00 - 10:20	Recess (Coffee/Tea/Snacks)
10:20 - 12:20	Second Session
12:20 - 13:30	Recess (Prayer Break & Lunch)
13:30 - 15:00	Last Session

For training registrations or in-house enquiries, please contact:

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Training & Career Development Department

