

# € TRAINING

Business Process Analysis and Modeling



17 - 21 November 2024  
Cairo (Egypt)



# Business Process Analysis and Modeling

REF: M4 DATE: 17 - 21 November 2024 Venue: Cairo (Egypt) - Fee: 3520 Euro

## Introduction:

This training program equips participants with the knowledge and tools necessary to analyze and model business processes effectively. Through the integration of methodologies such as the Integration Definition for Process Modeling IDEF0 method and Business Process Diagram notation, attendees learn to conduct rigorous analysis and develop comprehensive models.

## Program Objectives:

At the end of this program, the participants will be able to:

- Analyze the process dimension of the business.
- Define the scope of a business process accurately.
- Develop an enterprise-level business process model.
- Capture and map the details of an existing business process using a model.
- Build an integrated model of a defined business process showing its levels of detail.
- Obtain the information necessary to build a business process model.
- Identify business process improvement opportunities using a model.

## Targeted Audience:

- Business and Systems Analysts.
- Information Technology Professionals.
- Business Process Redesign Specialists.
- BPM Project Leaders.
- BPM Project Team Members.
- Quality Specialists.
- Process Owners.
- Business Professionals.

## Program Outlines:

### Unit 1:

#### Understanding Business Processes:

- The horizontal organization versus the vertical organization.
- Types of business processes.
- Identifying and naming business processes.
- Defining business process scope.
- How to analyze the components of a business process.
- Mapping and modeling business processes - basic concepts.
- Practical analysis work.

### Unit 2:

#### Developing Business Process Models using Business Process Modelling Notation BPMN:

- The core BPMN elements.
- Modeling business process activities.
- Describing business process events.
- Representing detailed branching and joining logic.
- Identifying business process patterns.
- Modeling process resources.
- Practical business process modeling work.

### Unit 3:

#### Advanced Business Process Modelling using BPMN:

- Using the BPMN extended element set.
- Modeling business process sub-processes.
- Business process event types.
- Representing resources using pools and lanes.

- Message flows and default flows.
- Modeling business process exceptions.
- Describing process activity attributes.
- Advanced business process modeling work.

#### Unit 4:

##### Modelling Processes Using the Integration Definition for Process Modelling IDEF0:

- Business process architecture.
- The business process classification framework.
- The IDEF0 modeling method and The five IDEF0 diagram types.
- Building the top-level diagram.
- Developing decomposition diagrams.
- Modeling activities and objects.
- Practical business process modeling work using IDEF0.

#### Unit 5:

##### Improving Business Processes Using Models:

- Analyzing existing business processes.
- Eliciting process customer requirements.
- Measuring business process performance.
- The two stages of business process improvement.
- Moving from as-is to to-be models.
- Simulating business processes.
- Implementing business process changes.
- Choosing the right modeling tool.