Business process modeling in BPMN

Course code: GOC270

The course is designed for those who want to learn how to create non-executable business process models in BPMN 2.0 (Business Process Model and Notation). Non-executable models are oriented to the graphic description of the process and are primarily intended for process documentation, support communication between people and support process improvement. According to statistical surveys, the objective of 90% of projects in BPMo (Business Process Modeling) to create non-executable model of business processes, it is called. "Paper projects". On the course you will learn the BPMN model: the hierarchy of business processes, business process flow activities, event-driven, process relationships with the environment in which the process is implemented (ie. The context of the process). The aim of the course is to show and hands-on exercise to showcase best practices in modeling non-executable business process in BPMN.

What we teach you:
- Create a valid, correct and legible process models in BPMN.
- To model the flow of activities in the BPMN process
- Process modeling relationships with the environment in which the process is implemented. Process environment (ie. The context of the process) may constitute objectives, metrics, organizational structure, supportive information systems, etc.
- Create a complete business process project

Who the course is for:
- The course is designed for business process analysts, architects IS and all others who want to use business process models in BPMN 2.0 for their work.

Required skills:
- Knowledge of UML is an advantage but not essential.

Teaching methods:
- Professional explanation with practical samples and examples.

Teaching materials:
- Powerpoint handouts and module printouts.

Course syllabus:

Introduction to business process modeling
- Definition of business process
- Model process versus process instance
- Process classification according to the benefits
- Classification relationships between processes
- Table process

Basics of process modeling in BPMN
- The classification process according to specification BPMN
- Top-level process
- Communication top-level processes
- Events
- Activities
- Flow modeling activities
- Subprocesses

Business process modeling in BPMN
- The methodology for business process modeling in BPMN
- Modeling business process hierarchy
- SIPOC

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- Promoting the concept of B2B in BPMN

Advanced process modeling in BPMN
- Patterns for flow modeling activities (control-flow patterns)
- Patterns for modeling data flow
- Archetypes solutions for working with time
- Modeling transactions
- Principles for creating valid and flawless models in BPMN

Modeling process context
- Definition of process context
- How to extend BPMN, we can better model the context of processes
- Modeling organizational structure in relation to the processes (Table RASCI and other techniques)
- Modeling of IS / ICT in relation to processes
- Modeling project goals
- Modeling process performance measurement (KPI, KRI)

Creating a complex project BPMo
- Overview appropriate tools for modeling
- Samples of published projects BPMo
- During the course we will demonstrate the topics discussed at the gradual establishment of a project business processes in BPMN. Entering and build the project participants are allowed to interact.

For model creation process, we use a standard tool Enterprise Architect, course participants but they can also use other modeling tools of their choice.