



## Specific techniques in the informational systems implementation

*When we speak about informational systems, we often speak about high complexity projects, involving extremely diverse categories of stakeholders, integrators, hardware and software suppliers, infrastructure engineers. The specificity of these projects requires from the project managers highly specialized knowledge in order to harmoniously unify so many entities whose interests may often be contradictory. In order to successfully approach such complex endeavors, it is vital that the project manager possesses a series of specific techniques, that can constitute a help in need in surpassing the challenges associated with the informational systems.*

The course is a collection of tools, techniques, methods, principles and concepts applicable to the projects of implementation of integrated informational systems.

### Who should attend?

- Those responsible of projects for the implementation of integrated systems, either on behalf of the supplier or the client;
- Those involved in such projects and wishing to better understand what is happening and to be prepared to take the next step towards increased responsibilities;
- Managers whose organizations carry out such projects;
- Managers and IT responsible;
- Those who wish to complete their knowledge in order to access other professional positions, with better perspectives;
- Those who are currently shaping their professional education (undergraduate students, master candidates etc.) and who want to acquire before the start of their career the advantage of a special competency;



- Those interested in the IT field and facing the necessity of approaching a complex initiative, involving the coordination of certain groups.

#### **Objectives:**

- ◆ Acquisition of necessary knowledge and techniques related to fundamental models in working in implementation projects, defining the activities framework and the teams involved in projects and the processes associated to projects;
- ◆ Acquisition of practical experience in using project management techniques, through examples and exercises.

#### **Benefits:**

- Acquisition of a pragmatic approach to the implementation projects for complex informational systems;
- Possibility of experience exchange between students and trainer;
- Possibility of applying the concepts presented in the current activity.

#### **Necessary knowledge**

**There is no need for special knowledge for attending this course. A minimum experience in projects is recommended.**

#### **Course material**

- ◆ Course manual and templates

#### **Course content**

The course follows the projects life cycle in general, and those of implementation in particular. For the latter, the course focuses on their main stages:

- Assessment of projects and IT solutions;
- Approaches on levels;
- Requirements analysis;
- Design;
- Development and testing;
- Deployment;
- Support in exploitation.



The stages of an IT project are presented in detail (including the results for each stage from the point of view of the solution and other deliverables) and the fundamental principles that need to be applied.

**Agenda:**

**General tools and techniques**

What is a project? Project starting. Projects' evaluation systems;  
Introduction in the implementation of projects. Project organization and planning;  
Projects monitoring and control;  
Project team management. Project closing;

**Specific tools and techniques**

Practical approach of IT projects;  
Design of the solution that matches client's organization criteria;  
Developing and testing - from idea to functional system;  
Deployment - or from demo to productive system;  
Support in exploitation - how to avoid the problems related to faulty exploitation;  
Conclusions and ideas to follow.



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