

Course : Build a preliminary Information System project

Synthesis course - 2d - 14h00 - Ref. API

Price : 2020 CHF E.T.



Pre-project studies are essential for launching a project and assessing whether objectives have been met. They ensure the viability of the investment and lay the initial foundations for the project. This course provides a comprehensive overview of the pre-project phase: defining the [[quality, cost, deadline]] triangle, ensuring feasibility, identifying risks and basing the decision to launch on the value provided by the project.

Teaching objectives

At the end of the training, the participant will be able to:

- ✓ Understand the context of the IS project: master plan, project portfolio management, etc.
- ✓ Mastering the phasing of the preliminary project and its content
- ✓ Identify the components of an IS study: process study, functional analysis, solution sizing
- ✓ Understand the essential elements of project economic development
- ✓ Pre-project organization: roles, committees and deliverables
- ✓ Make good use of pre-project deliverables: Business Case, SWOT analysis, master plans, etc.

Intended audience

All those involved in the early stages of IS projects, on both the project owner and project management sides: CIOs, project owners, project managers, study managers.

Prerequisites

Basic knowledge of information systems. Experience in project management desirable.

Course schedule

PARTICIPANTS

All those involved in the early stages of IS projects, on both the project owner and project management sides: CIOs, project owners, project managers, study managers.

PREREQUISITES

Basic knowledge of information systems. Experience in project management desirable.

TRAINER QUALIFICATIONS

The experts leading the training are specialists in the covered subjects. They have been approved by our instructional teams for both their professional knowledge and their teaching ability, for each course they teach. They have at least five to ten years of experience in their field and hold (or have held) decision-making positions in companies.

ASSESSMENT TERMS

The trainer evaluates each participant's academic progress throughout the training using multiple choice, scenarios, hands-on work and more. Participants also complete a placement test before and after the course to measure the skills they've developed.

1 Defining IT projects

- IT projects (development, software, integration, etc.) and associated life cycles. Pre-project phase.
- Project launch context: master plan, IT strategic plan, project portfolio management.
- IT investment governance, the COBIT vision: rules and controls.

2 Pre-project phase

- Pre-project phasing according to life cycles: classic, SDLC, PMBOK...
- The two classic stages: initialization (opportunity), study (feasibility). Objectives, tasks and milestones.
- Decisions: pre-project objectives and budget, feasibility, project coherence and contributions.
- Phase and team sizing.
- Project definition and launch: project plan, standards and development, technical and economic feasibility.

3 Information System study

- Study objectives: frame of reference, definition of limits, expected results.
- IS definition rules and formalisms.
- Business process analysis and modeling. Process optimization.
- Functional analysis of needs, definition of requirements: scope and depth.
- Definition and dimensioning of technical solution principles. Definition of application architecture.
- Its place in IS urban planning. The IT Department's reference framework.

4 Economic value of the project

- The value of IS projects: measurement in terms of cost of ownership (TCO) and return on investment (ROI).
- Use and calculation rules.
- Estimating project costs: different approaches. Estimating the accuracy of the estimate.
- Application costing: including maintenance phases, administration and support costs.
- Risk analysis and provisions.
- Budgetary management of costs, standardization of results.

5 Pre-project success

- Phase players. Distribution of roles between project owner and project manager. Place and roles of a steering committee.
- Business cases, blueprints and essential components, SWOT analysis, VALIT vision.
- Convincing at the end of a preliminary project: the business case, a decision-making summary.

TEACHING AIDS AND TECHNICAL RESOURCES

- The main teaching aids and instructional methods used in the training are audiovisual aids, documentation and course material, hands-on application exercises and corrected exercises for practical training courses, case studies and coverage of real cases for training seminars.
- At the end of each course or seminar, ORSYS provides participants with a course evaluation questionnaire that is analysed by our instructional teams.
- A check-in sheet for each half-day of attendance is provided at the end of the training, along with a course completion certificate if the trainee attended the entire session.

TERMS AND DEADLINES

Registration must be completed 24 hours before the start of the training.

ACCESSIBILITY FOR PEOPLE WITH DISABILITIES

Do you need special accessibility accommodations? Contact Mrs. Fosse, Disability Manager, at psh-accueil@orsys.fr to review your request and its feasibility.