Updated on 18/03/2025

Sign up

IREB Foundation Certification Training

All-In-One: Preparation & Exam included in price

3 days (21 hours)

Presentation

Our IREB Foundation Certification course will enable you to understand all aspects requirements engineering in accordance with the IREB (International Requirements Engineering Board) Syllabus. It also prepares participants for the IREB CPRE Foundation certification exam. Our training program will familiarize you with the international standard for Requirements Engineering created by IREB. Its aim is to give you the tools you need to pass the IREB foundation certification, and apply the principles of requirements engineering in your organization. At the end of this training course, you will not only have fully elucidated and documented the requirements that govern your organization, but you will also know how to manage them on a day-to-day basis to lead your teams.

Objectives

- Assimilate REQB requirements engineering terminology
- Master the main practices involved in requirements engineering
- Master the three fundamental techniqueselucidation, specification (documentation) and validation
- Preparing for and passing the CPRE Foundation certification exam

Target audience

- Business Analysts
- IT engineers, IT managers, IT executives
- Project managers, project owners, functional experts, etc. wishing to rely on a standardized reference system...
- Software design professionals (project managers, project developers...), functional experts, test practitioners) wishing to rely on a standard, standardized repository

Prerequisites

- Basic knowledge of the software life cycle (information) specification and design

IREB Foundation Certification Training Program

Introduction and fundamentals

- Requirements engineering: definition, symptoms, benefits
- Requirements engineering activities
- Requirements classification

Define the scope and context of the system

- System context, system scope and context limits
- Define system perimeter and system context boundaries

Clarifying requirements

- Sources of requirements
- Categorization of requirements according to the Kano model
- Elucidation techniques and how to prepare them

Documenting requirements

- Documentary forms
- Document types
- Document structure
- Using requirements documents
- Requirements document quality criteria
- Quality criteria for requirements
- Glossary

Documenting requirements in natural language

- Natural language effects
- Writing requirements using a template

Documenting requirements through models

- Models
- Goal models
- Use case models
- Three perspectives on requirements
- Requirements modeling from a structural perspective
- Requirements modeling from a functional perspective
- Requirements modeling from a behavioral perspective

Validate and negotiate requirements

- Fundamentals of requirements validation
- Fundamentals of requirements negotiation
- Facets of requirements quality
- Principles of requirements validation
- Requirements validation techniques
- Negotiating requirements

Managing requirements

- Characteristics of requirements with attributes
- Views on requirements
- Prioritizing requirements
- Traceability of requirements
- Versioning requirements
- Requirements change management
- Indicators for measuring requirements

Tooling requirements

- Tool types
- Setting up the tool
- Tool evaluation

Preparing for and taking IREB CPRE Foundation 3 certification exam

- Exam preparation tips and revision
- Mock exam with annotated correction

Taking the exam

Companies concerned

This course is aimed at both individuals and companies, large or small, wishing to train their teams in a new advanced computer technology, or to acquire specific business knowledge or modern methods.

Positioning on entry to training

Positioning at the start of training complies with Qualiopi quality criteria. As soon as registration is finalized, the learner receives a self-assessment questionnaire which enables us to assess his or her estimated level of proficiency in different types of technology, as well as his or her expectations and personal objectives for the training to come, within the limits imposed by the selected format. This questionnaire also enables us to anticipate any connection or security difficulties within the company (intra-company or virtual classroom) which could be problematic for the follow-up and smooth running of the training session.

Teaching methods

Practical course: 60% Practical, 40% Theory. Training material distributed in digital format to all participants.

Organization

The course alternates theoretical input from the trainer, supported by examples, brainstorming sessions and group work.

Validation

At the end of the session, a multiple-choice questionnaire verifies the correct acquisition of skills.

Sanction

A certificate will be issued to each trainee who completes the course.