

## IREB CPRE Foundation, requirements engineering, certification



MPGP-81 5 Days (35 Hours)

### Description

Requirements engineering is fundamental in projects. It makes it possible to clarify and validate needs and to specify the appropriate software system. This internship provides all the knowledge related to the IREB standard, presents you with good practices and prepares you for IREB Foundation certification

### Who is this training for ?

#### For whom

Business analysts, IT engineers, IT managers, IT managers, project managers, project management, method managers, product managers or marketing managers.

#### Prerequisites

Aucune

### Training objectives

### Training program

#### Introduction et fondamentaux

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

#### Définir le périmètre et le contexte du système

- Define the context of the system and its limits.
- Define the perimeter of the system and its limits.

#### Elucider les exigences

- The sources of requirements.
- The categorization of requirements according to the Kano model.
- The elucidation techniques.

### Documenter les exigences

- The different documentary forms.
- The different types of documents.
- The structure of documents.
- The use of documents requirements.
- The quality criteria of the requirements document.
- The quality criteria of the requirements.
- The notion of a glossary.

### Documenter les exigences en langage naturel, par les modèles

- The effect of natural language.
- Writing requirements using a template.
- Models in general, goal models , use case models.
- The three perspectives on requirements.
- Requirements modeling in the structural perspective.
- Requirements modeling from the functional perspective.
- Requirements modeling from the behavioral perspective.

### Valider et négocier les exigences

- The fundamentals of requirements validation.
- The fundamentals of requirements negotiation.
- The facets of requirements quality.
- The principles of requirements validation.
- Requirements validation techniques.
- How to negotiate requirements?.

### Gérer et outiller les exigences

- The characterization of requirements with attributes.
- The different views on requirements.
- The prioritization of requirements.
- The traceability of requirements.
- Requirements versioning and requirements change management.
- Measuring requirements engineering activity: indicators.
- The different types of tools.
- The implementation and evaluation of a tool.

### Examen CPRE Fondamental

- Tips for the exam.
- Mock exam with commented correction.
- Mock test scenario.
- Passage of the exam.