VIEWPOINT
TRAINING AND CONSULTING

CPRE
Recognized Training Provider
IREB 2025

System Requirements Analysis – Four-day Virtual Course

- An IREB® Certified Professional for Requirements Engineering (CPRE) Exam Preparation Course

ABOUT THE COURSE

In this **four-day course,** you will learn state-of-the-art methods and techniques for the effective **analysis, elicitation, documentation, negotiation and management of system requirements**. The approach covers all system types including **business systems, cyber-physical systems and socio-technical systems**. It also covers how to apply these methods to the clear and unambiguous **specification of system requirements**.

The course will ensure that your work in **systems analysis** is performed in a professional and efficient manner, whether your team uses **agile development** or **traditional system development approaches.**

The practical work included in the course covers **natural language business systems requirements writing and system specification using models** including Class Diagrams, Activity Diagrams, Use Case Diagrams, Sequence Diagrams and State Diagrams.

VIRTUAL COURSE PRESENTATION

- Presented live from our virtual studio using Zoom video conferencing
- You will see, hear and talk to our qualified instructors as well as ask questions and participate in discussions
- Attend the course at your office or home – all you need is a computer and internet connection
- The course includes a trial exam which when passed you will receive a Certificate of Competency

WHO SHOULD ATTEND?

Systems Analysts, Business Analysts, Testers, Requirements Engineers, Software Engineers, System Engineers, Product Owners, System Developers, Software Development Project Managers and Information Technology Professionals.

24-27 June 2025
VENUE: Viewpoint Virtual Studio
TIMES: 9:00-15:00 SAST
FEE: ZAR 18,860.00 per delegate including VAT
USD 1,050.00 per delegate
REGISTRATION: Return registration form to Cathy at
cathym@viewpoint.co.za or register online at
www.viewpoint.co.za
ENQUIRIES: Phone: 087 135 2507 Cell: 083 226 1588

COURSE CONTENT

Introduction and Overview
- Introduction to System Requirements
- The what, why, where and how of System Requirements
- The role and skills of a Systems Analyst
- What to learn about System Requirements

Principles of Systems Requirements Analysis
- The overview of principles
- The principles explained

Work Products and Documentation Practices
- Work products in System Requirements
- Categories and abstraction levels
- Natural-language-based work products
- Template-based work products
- Writing agile requirements
- Model-based work products
- Requirements document structures
- Prototyping in System Requirements
- Quality criteria for specified requirements

Practices for Requirements Elaboration
- Sources of requirements
- Elicitation of requirements
- Negotiation and conflict resolution
- Validation of requirements

Process and Working Structure
- Influencing factors
- System Requirements process facets
- Configuring a System Requirements process

Requirements Management
- What is requirements management?
- Version control
- Configuration and baselines
- Attributes and views
- Requirements traceability
- Prioritizing requirements

Tool Support
- Types of system development tools
- Evaluating tools

Practical work is done throughout the course.

REGISTRATION FORM

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To register please complete this form and return to cathym@viewpoint.co.za

We would like to register the following delegates:

DELEGATE 1:

Course date: _____

First Names: _____ Preferred Name: _____

Surname: _____

Cell No: _____ Email: _____

Position in Company: _____

DELEGATE 2:

Course date: _____

First Names: _____ Preferred Name: _____

Surname: _____

Cell No: _____ Email: _____

Position in Company: _____

COMPANY

Name of Company: _____

Company VAT Number: _____

Invoicing Address: _____

_____

Contact Person: _____ Tel: _____

Email: _____ Cell: _____