



# 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 virtual 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.

**30 January – 02 February 2024**  
**VENUE: Viewpoint Virtual Studio**

**TIMES: 9:00-15:00 SAST**

**FEE: ZAR 22,425.00 per delegate including VAT**  
**USD 1,250.00 per delegate**

**REGISTRATION:** Return registration form to Cathy at  
[cathym@viewpoint.co.za](mailto:cathym@viewpoint.co.za) or register online at  
[www.viewpoint.co.za](http://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](mailto: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: \_\_\_\_\_

Address: \_\_\_\_\_

\_\_\_\_\_

Contact Person: \_\_\_\_\_ Tel: \_\_\_\_\_

Email: \_\_\_\_\_ Cell: \_\_\_\_\_