

REQUIREMENTS ENGINEERING

Professional training in Requirements Engineering: Overview

Whether a product, system or software solution is developed or bought, it must be specifically designed and configured for the users of the system. The implementers of such a system or product must understand what it intends to achieve and deliver for the user. To successfully solve the problem, the problem must first be understood. Requirements engineering (RE) is the application of systems engineering to fully understand the problem that needs to be solved.

The purpose of the one-day programme is to offer the concepts and analytical techniques of requirements engineering to industry practitioners that will enable the delegate to implement the tools and techniques of requirements engineering. Delegates of the programme will gain both theoretical and practical understanding of RE models, methodologies and analytical techniques.

Who should attend?

- Business / systems analysts
- Senior management responsible for the implementation of IT solutions
- Project managers

Outcomes of the training

- To understand and motivate the value of requirements engineering in projects.
- To understand the models of the requirements engineering process and how it relates to the systems or software engineering lifecycle.
- To select and apply requirements techniques and modelling approaches during requirements elicitation and analysis.
- To correctly execute the requirements activities: elicit, analyse, specification, validate, communicate and negotiate requirements.
- To understand how requirements must be managed and how to manage changes within requirements.

Length of training

- One day.

Cost of training

- R 3 500 per delegate per day

Contact and registration

Please contact Dr Hannelie Nel for further information and registration.

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Course Presenter

Dr Annlizé Marnewick

Designation

Senior Lecturer, Postgraduate School of Engineering Management, University of Johannesburg

Biography

Dr Annlizé Marnewick is a Senior Lecturer at the Postgraduate School of Engineering Management, Faculty of Engineering and the Built Environment at the University of Johannesburg. She holds a Doctorate in Engineering Management and is a registered Professional Engineer (Pr.Eng.) with the Engineering Council of South Africa (ECSA). Before joining academia she worked in industry with a technical record of 15 years in the architecture, design and implementation of system and software engineering projects with specialisation in requirements engineering. She worked at Compaq (Originally Digital Sales & Services) where she successfully resolved customer's business-related problems by successfully implementing various system solutions. The balance of her industry career was spent at various divisions of the FirstRand Group, a financial services group in South Africa, where she was the main business architect/systems engineer who implemented complex business solutions that were integrated across various business divisions to support the business functions and Basel II legislation requirements.

Annlizé has a passion for developing young people into leaders and has also been involved in a leadership development programme that aims to bridge the gap between theoretical knowledge and the world of work.