Project Management

BCS Certificate in Requirements Engineering (Online)

Course Details

Price

£2,310.00

CPD Points

21.00

Length

3 full days (09:00-17:00)

Course Overview

This three-day online course develops the skills needed to work with requirements stakeholders to ensure that requirements satisfy various perspectives and that conflicts are negotiated to a position of consensus.

Delegates will learn how to work with stakeholders and other requirements actors to ensure the requirements are complete, unambiguous, realistic and testable.

This course is for those wishing to acquire the skill set required for establishing system requirements and those wishing to attain the BCS Certificate in Requirements Engineering.

This course is delivered virtually through the GTA, tutor led in real time.

Content

The Requirements Engineering Process;

- Lifecycle for business change
- Business plans and objectives
- Problems with requirements
- The stakeholders involved in RE
- RE process overview

Requirements and the Business Context;

- Hierarchy of requirements
- TOR/PID
- Functional requirements
- Non-Functional requirements
- General/Technical requirements
- Service level requirements

Eliciting and Documenting Requirements;

- Problems with elicitation
- Different stakeholders viewpoints
- Elicitation techniques
- Facilitated workshops in detail
- Prioritisation of requirements
- The structure and contents of a requirement

Interviewing for Requirements;

- Interviewing for RE
- The interviewing lifecycle
- Planning, preparing, conducting and following up the interview
- Questioning strategies

Use of Models in Requirements Engineering;

- Developing a process/functional model
- Reading a static (data) model

Analysing and Negotiating Requirements;

- Iterating requirements
- Congruence with business objectives
- Analysing requirements against: Classification, Priority, Ambiguity, Testability, Risk, Granularity, Omissions, Conflicts, Overlaps, and Achievability
- Resolving conflicts

Validating Requirements;

- Requirements validation;
- Requirements reviews
- Validation checklist
- Validation by prototyping

Managing Requirements;

- The principles of requirements management (RM)
- How the '4 pillars' support RM
- The baseline mechanism
- The role of the Change Control Board

Benefits

At the end of this course you will be able to:

- Describe the roles and responsibilities of key stakeholders in the requirements engineering process
- Demonstrate the application of a range of requirements elicitation techniques
- Explain the use of requirements elicitation techniques and the relevance of the techniques to given situations
- Document and prioritise user requirements for an information system
- Identify problems with requirements and explain how requirements documentation may be improved
- Create a process/function model of requirements for an information system
- Interpret a model of the data requirements for an information system
- Explain the importance of linking project objectives and requirements to the Business Case

- Describe the principles of Requirements Management and explain the importance of managing requirements
- Describe the use of CASE tools to support Requirements Engineering
- Explain the principles of Requirements Validation and define an approach to validating requirements

This qualification can form part of the BCS International Diploma in Business Analysis and covers the knowledge-based element of the qualification.

Prerequisites

There are no specific pre-requisites for this course.

You will however need to be able to spend 60-90 minutes each evening whilst on the course doing revision and example examination questions.

Assessment

BCS Certificate in Requirements Engineering Exam (One Hour Multiple Choice).

If you are taking a BCS exam you must bring photographic identification with you (passport, driving license or student card), as it is a BCS requirement to produce it for the invigilator prior to the exam. Failure to produce a valid form of photographic identification will result in a candidate not being able to sit the exam.

Next Steps

If you would like to book a place on this course please click on the **'Book Course'** button to the right of this page and login or register for a user account to complete your booking(s). Any queries please do not hesitate to contact us via **admin@gta.gg** or call us on 01481 224570.

If no date is scheduled for this course at the present time please click on the **'Register Interest'** button and login or register for a user account so that we can add you to our course interest register. This register allows us to contact our tutors and finalise dates for a course as soon as we have a few people who have expressed their interest, so the more delegates who register their interest, the sooner we can schedule a particular course.

Course Tutor

Kevin Shaw

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