



Practical Estimating Techniques for IT

This one day workshop enables you to:

- understand the strengths and weaknesses of several approaches to IT estimation
- know the relationship between estimation, project scheduling and business goals
- plan the implementation of estimation techniques in your organisation

Through the guided case studies participants will have an opportunity to try out several estimation techniques to provide a practical background to future implementation.

Objectives

- To provide awareness of current estimation practices.
- To enable you to select and plan the implementation of your chosen techniques.
- To show how estimation continues throughout the development lifecycle.

Benefits

You will learn how to:

- Tailor and refine estimation techniques to your individual organisation.
- Know and manage the risk associated with estimating IT projects.
- Begin gathering data for benchmarking.

Workshop format

Presentations are interspersed with in-class exercises to provide an introduction to applying the techniques. The course material provided comprises all overheads and course notes. Additional handouts are also included.

Who should attend

- Project managers and team leaders.
- Development staff who take part in preparing project studies.
- Managers with product planning responsibilities.

Course content

Estimation Basics

- The estimation paradigm.
- The nature of underestimates.
- Current techniques.

Estimation and the Lifecycle Process

- Work and product breakdown structures.
- Estimation accuracy.
- Estimation planning.
- Lifecycle options.

Simple and Systematic

- Analogy.
- Statistical Approaches.
- The Delfi method.
- Effect of 4GL's.

Code Measure Approach

- The 3 types of COCOMO project.
- Project drivers.
- Applying the equations.

Function Points

- Function Point basics.
- Technology factors.
- Entity relationships and Function Points.
- Real time and Function Points.

Cost and Risk Management

- Benchmarking.
- Estimation metrics.
- Cost tracking.