

**Cambridge
University**

Right first time product
development
using
Design
For
Six Sigma
(DfSS)

**DfSS Yellow Belt
Training
2-Day Workshop**

**Right first time product development using
Design for six Sigma, DfSS
2-day Yellow Belt Workshop**

This workshop will help you to:

- Successfully integrate the six sigma methodology into new product or technology development
- Understand how the Six Sigma tools can improve your product development process
- Recognise that DFSS is different to Operational Six Sigma and requires a different implementation approach

You will learn:

- A roadmap for the application of Six Sigma tools to new product or technology development
- How to develop customer focussed requirement specifications – **Identify**
- How to creatively generate and select new concepts – **Design**
- How to achieve robust, reliable and low cost designs – **Optimise**
- How to minimise risk before launching the product – **Verify**
- Awareness and workshop experience of a wide range of DfSS tools

No previous Six Sigma knowledge or experience required

This workshop is aimed at designers and managers working in a product or technology development role. There is no pre-requisite for knowledge of statistics or the Six Sigma methodology. The teaching and workshops are based around product development.

Awareness of a wide range of Six Sigma tools

Yellow Belt training is focussed on providing an awareness of the Six Sigma approach (If you are looking for practitioner level training then you should consider our Green Belt programme). The following tools will be **introduced and applied** during the hands-on workshops : *Voice of the customer, Quality Function Deployment, Function Trees, Brainstorming, Creative thinking, TRIZ inventive problem solving, Concept Selection, Design FMEA, Design of Experiments, Robust Design, Mistake Proofing, Design for Manufacture and Assembly, Reliability Engineering, Process stability and capability.*

Course Agenda

Day 1 (9.00 – 17.00):

Introduction to Design for Six Sigma

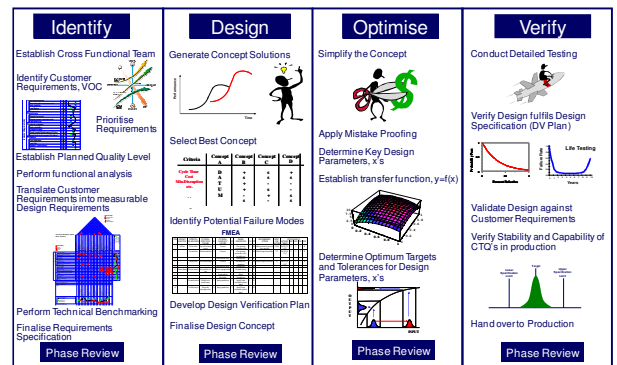
- Six Sigma explained
- Integrating Six Sigma to new product development
- The IDOV “roadmap”

Identify Phase (IDOV)

- Establishing customer requirements
- Function Analysis
- Creating the requirements specification
- Identify phase workshop

Design Phase (IDOV)

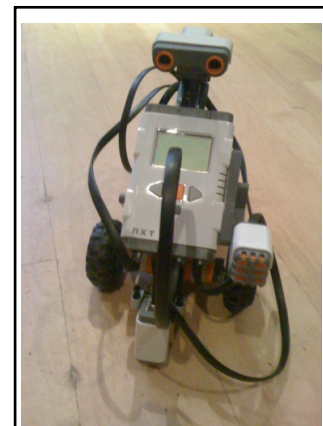
- Creativity and concept generation
- Concept selection
- Risk Management
- Design phase workshop



Day 2 (9.00- 16.30):

Optimise Phase (IDOV)

- Achieving a robust design
- Simplifying the concept
- Mistake Proofing
- Optimise phase workshop



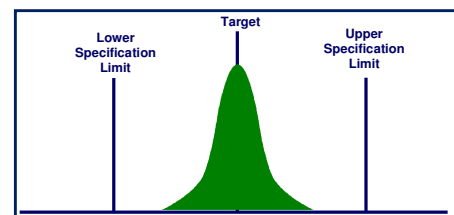
LEGO Mindstorms
Workshop

Verify Phase (IDOV)

- Design verification plan
- Reliability testing
- Process stability and capability
- Verify phase workshop

Implementing Design for Six Sigma

- Training strategies
- Project selection
- Closing Discussions



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2-day Yellow Belt Workshop
Cambridge University

Next Date- *Please contact us*

The course fee includes:

- 2-day training programme
- Lunch and all refreshments
- Comprehensive course materials
- On-going access to helpline
- Free site visit by a consultant to discuss DfSS implementation

Discounts are available for multiple bookings from the same company.
Please call or email us now to check availability or to discuss if this is the right course for you.

Your Instructors:

John Cooke, CoCatalyst



John, the founder of CoCatalyst, is a seasoned innovation expert with over 20 years experience working for Mars Inc. During this time John was responsible for innovations which took the FLAVIA brand from a loss making position with negative growth and a poor reputation for quality to a point where FLAVIA is now one of the fastest growing Mars brands. John has expertise in a number of key innovation practices and a strong track record of innovation success in an FMCG environment with a portfolio of over 50 international patents. John specialises in helping companies hit the "Innovation Sweetspot".

Simon Barnard, SCB Associates



Simon has twenty years experience teaching and consulting in Quality Improvement. An Electronics engineer by training, he spent his early career working on automotive and aerospace control systems for Lucas Research. In 1987 he was trained by Shin Taguchi (of ASI) in Taguchi Methods and was subsequently involved in its implementation within Lucas. He took the opportunity to bring Taguchi Methods to a wider audience by joining ASI in 1989 and quickly expanded his training portfolio into QFD and other Continuous Improvement areas. Simon has been involved in the implementation of Six Sigma and DFSS in many leading manufacturing companies.

This course is supported by our free telephone/email helpline.



The course is also available as an in-house course.