



# ONE DAY WORKSHOP ON DESIGN OF EXPERIMENTS (DOE)

In Industry, designed experiments can be used to systematically investigate the process or product variables that influence product quality. After you identify the process conditions and product components that influence product quality, you can direct improvement efforts to enhance a products manufacturability, reliability, quality, and field performance.

Designed experiments are often carried out in four phases: planning, screening, optimization and verification.

DOE has capabilities to reduce the cost of production and improves the yield by 10-15%

QT&T Consulting is pleased to present one day workshop on DOE and delivered by our Certified SIX SIGMA professionals who are DOE specialists.



Time		Contents
From	To	
9:00	9:30	Expectation Sharing
9:30	10:15	DOE nomenclature, Pitfalls of traditional approach, Key concepts,
10:15	10:45	Types of experimental Design - Introduction
10:45	11:30	Factorial designs, balanced and Orthogonal Design, DOE settings, Concept of center points
11:30	12:30	Creating DOE using Minitab
12:30	13:30	Lunch
13:30	14:30	Analysing DOE results - an example
14:30	15:30	DOE Game
15:30	16:30	Optimization of designs
16:30	17:30	Exercise
17:30	18:30	Recap and Conclusion

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