Feature:

The Shainin DoE tools are more applicable in a manufacturing environment and are simple to apply. Although this is data-based, these tool does not involve complex data analysis. The course is designed to give participants hands-on experience in implementing the tools and solve complex problems. The course will involve case studies and examples to explain and a good number of exercises. No prior statistical knowledge required to attend the course.

Course Objective:

1) To enable participants to define problem and identify applicable Shaining tool to solve
2) Explain all major Shainin Tools
3) Solve complex problems which involve multiple source of variation
4) Validate the improvement done

Who Should Attend?

People responsible to solve manufacturing or new product development problem like production, quality, process, new product development engineer, etc.

Course Duration:

1 Day

Course Content:

1) Introduction to DoE and Shainin DoE,
2) Advantage of Shainin DoE
3) Concept of Multivariate Statistical Analysis
4) Steps involved in Source of Variation Identification
5) Problem identification and definition
6) Tool 1 – Paired comparison
7) Tool 2 – Product/ Process Search
8) Tool 3 – Component Search
9) Tool 4 – Modified component Search
10) Tool 5 – Multi Vari Analysis
11) Tool 6 – B Vs C validation
12) Case Studies