



Conducts

Two Days Training Program On

Design of Experiments (For product & process improvement)

Introduction :

The central thrust and secret weapon of Japanese quality is its widespread use of DOE. The objective of DOE is to discover key variables in Product and Process Design, to reduce variation they cause and to open up the tolerances on the lesser important variables so as to reduce cost. The purpose of the experiment and data analysis is to find the cause-and-effect relationship between the output and experimental factors in a process. Hundreds of Japanese companies conduct thousands of these designed experiments each year to make the product and process design "more robust". They use the classical methods founded by R.A. Fisher and the orthogonal array developed by Genichi Taguchi and Shainin techniques. Now, DOE is being extensively used in industries for Product/Process optimization and as a powerful Problem solving Tool

Objective :

To familiarize the participants in Planning ,Conducting the Scientific Experiments and Analysing and interpreting the scientific Investigations.

Key Benefits

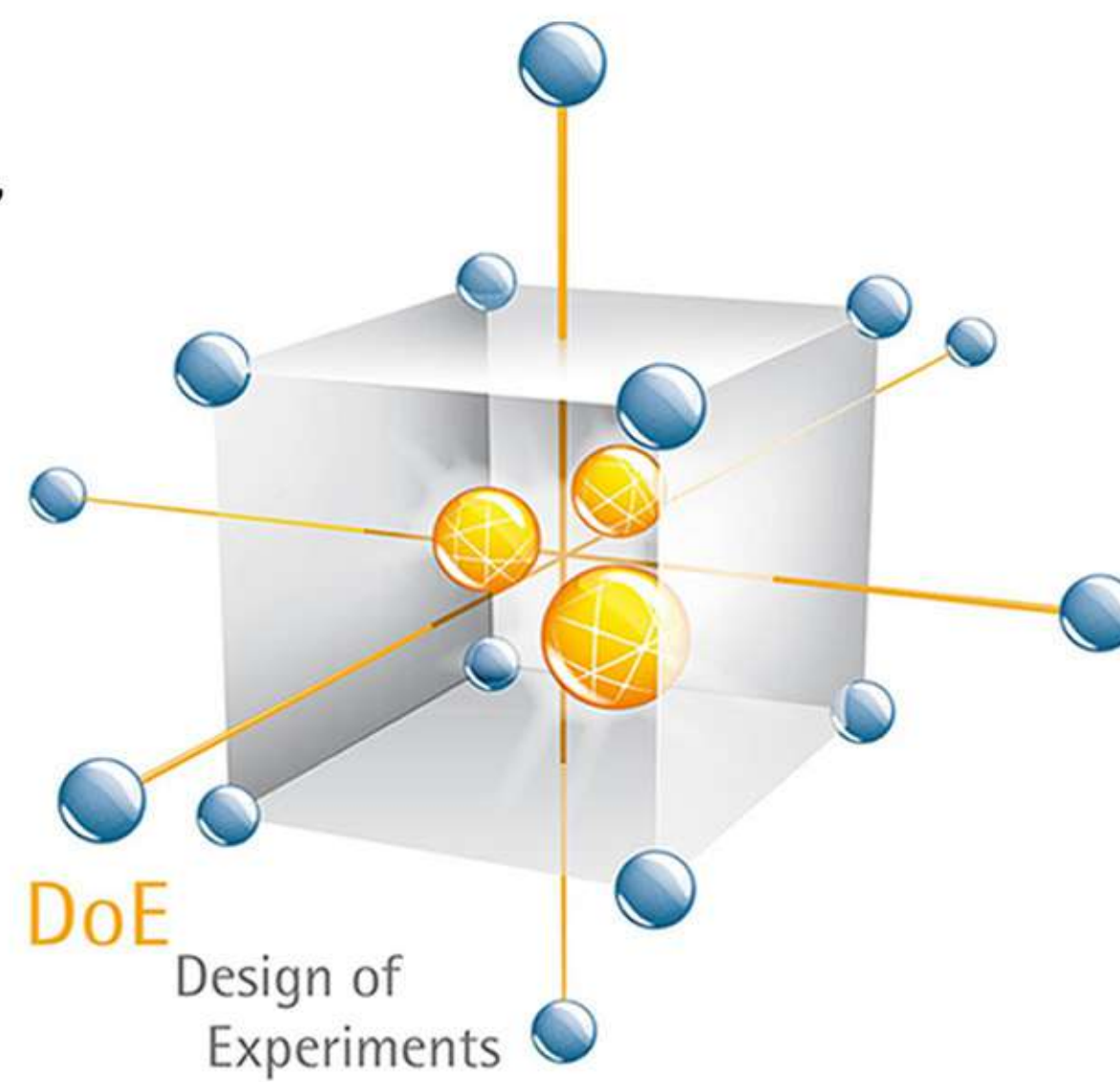
Comprehensive understanding planning and conducting of Experiments scientifically and interpreting the experimental results meaningfully.

Target Group

Supervisors/ Engineers/ Managers/ Executives working in R&D, Manufacturing, Quality, Process Developers

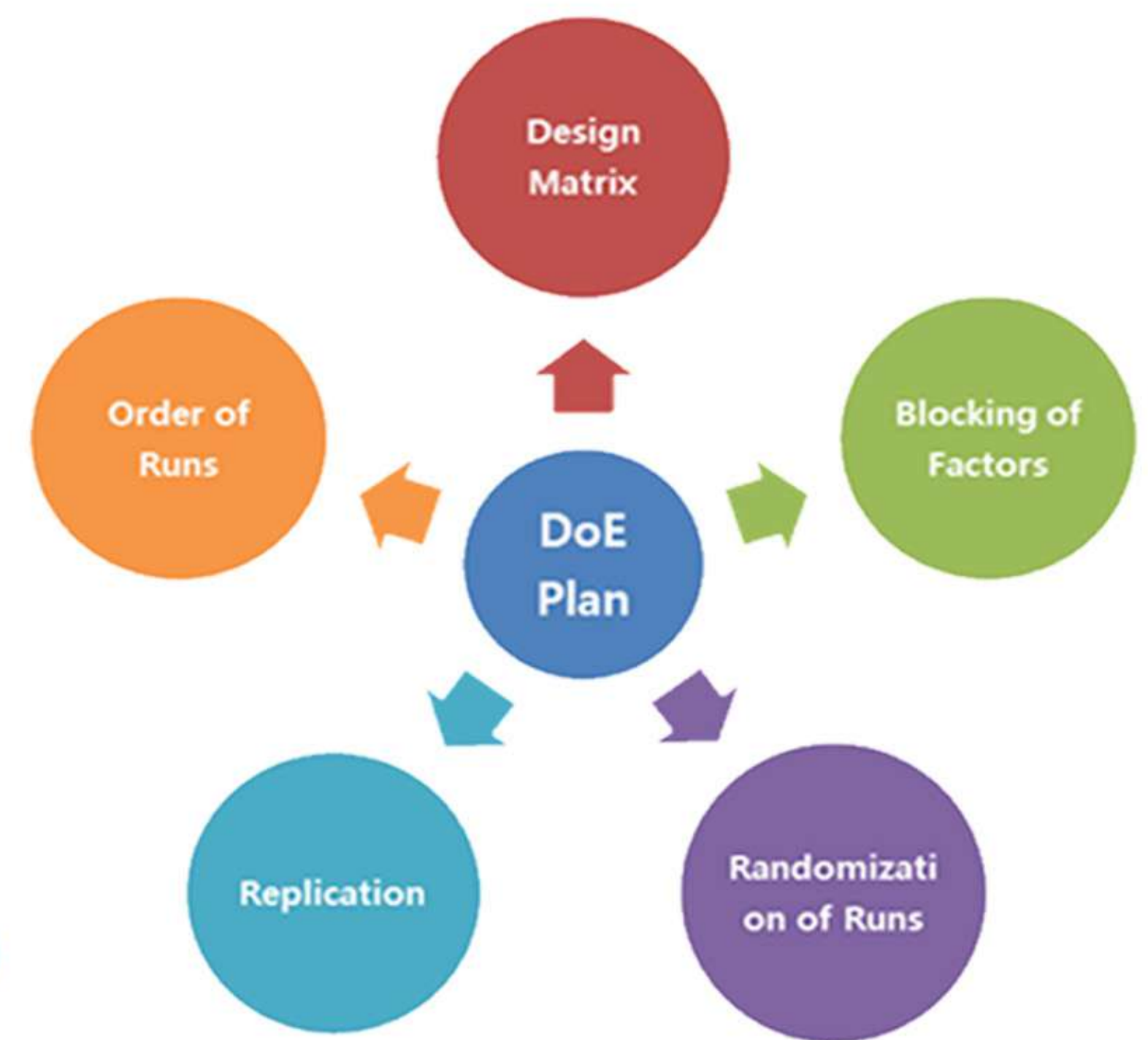
Methodology :

Lectures,Discussions and PPT Presentation and case examples



Course Content:

- Introduction to Experimentation- Objectives, Terms and definitions
- Strategies for Experimentation and Planning and conducting of an Experiment-Fundamental concepts of Replication, Randomisation and Local control.
- Full Factorial Experiment and Analysis of Experimental Data
- Analysis of Experimental Data –Cotd.
- Need to reduce the size of the Experiment-Introduction to O.A. Designs
- Designing O.A Experiments -2 level and 3 level factors
- Analysis of O.A Experiments and interpretation of results.
- Introduction to Shainin tools
- Component search method and Paired comparisons
- Variable search method .



FACILITATOR : Prof. V V Iyer

Prof. V.V.Iyer is a Post graduate in statistics and PG.Diploma in Statistical Quality control from The Indian Statistical Institute, Kolkatta which is an institution of National importance, started way back in 1931 by Prof. P. C. Mahalanobis as Non - Profit distribution learning Society. He has also done SDP Fellowship from the same institute in Quality Management. He served the Indian statistical Institute as a professor of Quality Management for more than 25 years. He is having more than 2.5 decades of experience in teaching, training and consultancy in the areas of Quality Management, Quality and Productivity Improvement. Etc. Prof. Iyer also worked in Tata Consultancy Services as Associate Vice President in Learning and Development for four years and developed and delivered several training modules in the areas of application of statistics in industries. Conducted more than 600 inplant training programmes and trained more than 9000 personnel at various level. Presently Prof V.V.Iyer is a practicing consultant in Quality Management and operates from Chennai.

TRAINING PROGRAMME FEE :

Rs. 6000/-per participant + 18% GST.

GSTIN : 33AFKPG7543M1Z5 SAC CODE : 999293 (Commercial Training and Coaching Services)

It Covers course Material, grand buffet Veg. Lunch & refreshment

Cheque / DD drawn in favour of "Maxwell Centre for Industrial Training and Development".

Date and Time:

22nd & 23rd February 2019
Friday & Saturday
9 am - 5 :00 pm



Venue:

Quality Inn Sabari
Thirumalaipillai Road,
T Nagar, Chennai-600017.

For registration contact:

U. Mahalakshmi, Training Coordinator

New no.12, Old no. 35, V.P. Akilan Street, M.G.R. Nagar, Chennai-78.

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