

Deviations are source of all
wastes
Nip them in the bud using
Shainin DOE

Excellence in processes is a must
To become a world class player

Make a beginning today



An Attractive Offer From



Trainers And Consultants In Quality Improvement

Make money by empowering your people

Train and Coach your members in Problem solving

Follow these simple steps and watch the progress -

1. Select key business processes
 2. Select problems / deviations in these processes.
 3. List all possible projects, which will improve your client satisfaction.
 4. Calculate financial gains for all on the basis of 100% success.
 5. Select team leaders and supporting team (of 4) for all projects
 6. Invite **SigmaGuru** to train and coach team leaders for one week.
- The 5-day program consists of training the team leaders in Design of Experiments and helping them solve the problems.
 - For best results, mornings are devoted to training – when the mind is fresh to absorb new knowledge and afternoons are devoted to actual problem solving activity – conducting experiments / collecting and analyzing data, and introducing changes.
 - The time gap between training and practice is reduced to just one hour (lunch hour) resulting in amazingly fast results.

Project examples - see page 2
About Faculty - see page 4



See these examples of successes -

1. At one dairy
 - a. Milk packaging process improved
 - b. Sigma improved by a factor of 2
 - i. **Output / turnover increased by 2 % in 2 weeks**



2. At one textile plant
 - a. Blanket rejections reduced from 8% to zero
 - i. **turnover increased by 8 % in 8 weeks**



3. At a ball pen manufacturing plant
 - a. Eliminated non value adding operation of sorting refills based on different ink levels
 - i. **Operating costs reduced by 25% in 3 weeks**



Training in ShaininDOE is a Strategic Decision

Sooner or later, a growing organization will train its members in Shainin DOE.

Dorian Shainin has developed these tools by distilling his 60 years of experience in solving thousands of industrial problems! These tools work!!!

The salient advantages of these tools over other tools are –

Simple - easy to understand
 Logical – common sense oriented
 Practical –no preparation required
 Universal – applicable in all situations
 Statistically sound backbone
 Excellent in terms of results

10:1 Advantage in cost over Taguchi Methods

Shainin DOE tools are -

1. Multivari
2. Component Search
3. Paired Comparison
4. Variables Search
5. Full Factorials
6. B Vs C
7. Scatter Plots

2 more tools from SigmaGuru –

Trace Diagram and
 Surrogate Parameter



Here is a double statue you would love to see.

A warrior from front and a beautiful lady from the back. (See the mirror for backside view)

So make sure to Look at the problem from all possible directions, all possible angles, in all possible colors; till you find a good clue.

This is a good example of how and why a multivari is an excellent tool in problem solving.

About Vidyut Bapat,



- Graduated with Honours in Electrical Engineering from IIT / Bombay and did post graduate studies in Computer Sciences in IIT / Kanpur.
- Has 40 years of rich experience in Philips and Elpro – a former GE co. and in consulting.
- He worked in senior management in the fields of Product Management, R&D, Product Design, Maintenance, Engineering, Instrumentation And Quality Management.
- Has traveled widely in Switzerland and other European countries, Hong Kong, Taiwan, Singapore, and Malaysia; and has seen the best quality practices.
- Has written numerous technical articles and has 10 patents
- Has led many quality improvement project teams and had been instrumental in saving millions to the respective organizations
- Has worked for the widest range of Clients ranging from Fortune500 companies in the field of Automobiles, Automotive Components, Construction, Electronics, Engineering and Food; and trained more than 2000 engineers and managers
- **Has learnt ShaininDOE from Keki Bhote of Motorola who in turn has learnt from Dorian Shainin himself.**

Vidyut Bapat is at present,

Director,  **Trainers And Consultants in Quality Improvement.**