



QUALITY MASTERS GROUP

DFSS TRAINING

WEEK 1

1. Introduction to Six Sigma
2. Introduction to DFSS
3. Ideation and Concept Selection
4. Group Tools
5. Customer Needs
6. Kano Model
7. QFD
8. Process Mapping
9. C&E Analysis
10. Fishbone Diagram
11. 5 Whys and Fault Tree Analysis
12. Basic Statistics
13. Basic Minitab

WEEK 3

1. Hypothesis Testing
2. ANOVA
3. Chi-square and Cross Tabulation
4. Simple and multiple regression
5. t-tests/non-parametrics
6. Time series and multi variant analysis

WEEK 2

1. FMEA
2. Introduction to SPC
3. MSA- Continuous and Attribute Type Data
4. Destructive Measurement System
5. Capability Analysis
6. Z-Statistics
7. Design Scorecards
8. Project Presentation

WEEK 4

1. DOE – OFAT, full and fractional factorial design
2. Attribute DOE Response
3. EVOP
4. Mixture design
5. Response Surface Modeling
6. Taguchi design

WEEK 5

1. Tolerance Design
2. Specialty Control Charts – CuSum, EQMA
3. Multiple Subjective Evaluation
4. Operational Excellence Control Plan and Implementation
5. Procedure Writing
6. 5S/COPS
7. Poka Yoke
8. Integration of DFSS into existing NPP/NPD process
9. Wrap-Up
10. Final Quiz