

Measurement System Analysis (MSA)

COURSE OBJECTIVE: The purpose of this course is to create awareness on the importance and application of MSA. The course additionally helps to understand the necessary and the unnecessary use of MSA at shop floor and achieve maximum benefits out of it. We also undertake consultancy projects on Implementation of MSA on shop floor.

HOW OUR COURSE IS DIFFERENT: Our course not just teaches the formulae but the participants can even derive all formulae by a "Single Mantra". After our course, MSA does not remain a mere formality but becomes a way of life. In most of the organizations, MSA is perceived as a formality because there is not enough guidance available on its practical aspects. We, in our program, explain the different techniques of MSA which are more simple and practical.

Why GR&R of 10% is acceptable? Should it be acceptable in each and every case? Can GR&R above 30% be acceptable? Can we apply attribute study for a variable case? Can MSA be done even by the operators? To know more attend this course.

Our course builds very strong fundamentals which makes our participants one of the best in the World. After this course MSA can be implemented even at the operator level and not just for the Auditors or Customers.

WHO SHOULD ATTEND: Participants should be preferably diploma or degree in engineering with elementary knowledge of mathematics. Please bring along calculator for this training program.

COURSE COVERAGE & STRUCTURE:

- ✓ Introduction
- ✓ Pre-Course Evaluation
- ✓ Objective of MSA
- ✓ Discrimination
- ✓ Types of Error
- ✓ Bias
- ✓ Linearity
- ✓ Stability
- ✓ Uncertainty
- ✓ GR & R in Variable data
- ✓ GR & R in Attribute data
- ✓ Signal Detection Method
- ✓ Risk Analysis
- ✓ Question Answers and re-cap
- ✓ Post session evaluation

COURSE METHODOLOGY: Entire course will be based on interactive discussions with examples and exercises.