

Failure Mode Effects Analysis (FMEA)

Course Description

Failure Mode and Effect Analysis (FMEA) course is an attempt to delineate all possible failures and their effects on the system. The objective is to classify failures according to their effect. FMEA is a discipline that focuses upon design, whether it is of a product or a process, and this 8 hour course provides a working understanding of the FMEA process, both for Design FMEA and Process FMEAs. Students will study practical problems, which are designed to highlight the important aspects of these techniques. The mixture of tutorial and practical exercises will allow attendees to return to their normal activities and play a creative and effective part in the FMEA process in their organization.

Learning Objectives

- Understand the basics and applications of FMEA
- Describe how to prepare FMEAs using the AIAG Reference Manual (3rd Edition)
- Provide the knowledge to implement and develop FMEAs within their companies
- Adequately understand, use, and maintain FMEA documents to meet ISO/TS 16949:2002 requirements

Course Materials

Students receive comprehensive course manuals with reference materials, including the FMEA Reference Manual 3rd Edition.

Who Should Attend

Any manager/engineer/supervisor/employee who is part of a cross-function team, or will become part of a cross-functional team, utilizing the FMEA discipline.

Prerequisite

There are no formal pre-requisites but an engineering/manufacturing design background would be an advantage.