



FMEA (Failure Modes and Effects Analysis)/ **Risk Management**

Overview: This one-day workshop on Failure Mode and Effects Analysis (FMEA) will address both FMEA's for Design and Processes. FMEA is the technique used by organizations to identify, prioritize and mitigate risks. Attendees will learn about initiating risk assessments, scope definition, assignment of risks and prioritizing actions too mitigate risk.

Audience: Attendees should be individuals who will be responsible for participating in the development and maintenance of FMEA's. Typical attendees will include engineers, quality personnel and manufacturing specialists.

Course Outline:

- Module 1 –Overview of FMEA
 - Historical perspective
 - FMEA Applications
 - FMEA benefits
 - Risk Analysis Overview

- Module 2 –Anatomy of Performing FMEA
 - Background Information
 - Process Definition and Failure Modes
 - Rating Risk and Current Controls
 - Corrective Action Planning

- Module 3 –FMEA Methodology for Design
 - Application
 - DFMEA Step-by-Step
 - Risk Calculation and calculating RPN
 - Defining Actions to mitigate risk

- Module 4 –FMEA Methodology for Process
 - Application to Processes
 - Risk Calculation and Calculating RPN
 - Defining Current Controls
 - Defining Actions to mitigate risk

- Issuance of FMEA exam