PROCESS FAILURE MODE AND EFFECTS ANALYSIS (PFMEA) AIAG & VDA

eLearning courses designed to increase productivity and profits

AIAG & VDA PFMEA Seven-Step Approach

Learning made Simple, Visual, and Interactive

Risk analysis is an important step in the product development process to ensure safety. The THORS *Process Failure Mode and Effects Analysis (PFMEA) AIAG & VDA* course equips the learner with the knowledge needed to develop a PFMEA to optimize a process using the seven-step approach. This visually engaging and interactive course also explains the various FMEA types, PFMEA assumptions, PFMEA levels, and PFMEA maintenance along with a case study illustrated by a real-world scenario.

Credit Hours **2.0**

Learning Objectives

- Identify the objectives and benefits of the AIAG & VDA PFMEA methodology.
- Ø Explain the FMEA types, PFMEA assumptions, and PFMEA levels.
- Illustrate the seven-step approach to developing an AIAG & VDA PFMEA.
- Understand the various elements of a PFMEA template.
- Ø Define the steps for PFMEA maintenance.
- $rak{100}$ Apply real-world industrial scenarios to create a PFMEA using the seven-step approach.

Table of Contents

I. PFMEA Development Process

- Team Approach
- FMEA Types
- PFMEA Assumptions
- PFMEA Levels
- PFMEA Seven-Step Approach
 - Step 1: Planning and Preparation
 - Step 2: Process Structure Analysis
 - Step 3: Function Analysis
 - Step 4: Failure Analysis
 - Step 5: Risk Analysis
 - Step 6: Optimization
 - Step 7: Results Documentation...

- I. PFMEA Development Process (continued)
 - PFMEA Template
 - Records Retention
 - PFMEA Maintenance

II. Case Study

- Step 1: Planning and Preparation
- Step 2: Process Structure Analysis
- Step 3: Function Analysis
- Step 4: Failure Analysis
- Step 5: Risk Analysis
- Step 6: Optimization
- Step 7: Results Documentation



sales@thors.com 1 (330) 576 4448



THORS is bringing together the best minds across many industries to create an everexpanding library of courses that will rapidly increase the Manufacturing IQ[®] of your team.

5054 Paramount Blvd Medina, OH 44256