

FMEA (AIAG/VDA) & Control Plan

Training Overview:

This FMEA course equips participants with the skills to identify, assess, and reduce risk using the AIAG & VDA methodology. Participants learn how to proactively prevent failures in products and processes to improve quality and reliability.

Through hands-on exercises and real-world application, participants apply the 7-step FMEA process, evaluate risk, and prioritize actions. The course emphasizes measurable impact, including reduced scrap and rework, improved product reliability, and lower warranty costs.

Training Objectives:

- Define FMEA and its role in risk management and quality improvement
- Explain the AIAG & VDA 7-step FMEA process
- Perform structure, function, and failure analysis
- Evaluate Severity, Occurrence, and Detection ratings
- Use Action Priority (AP) to prioritize risk reduction
- Develop preventive and detection controls
- Identify and reduce potential failure risks
- Quantify savings from reduced defects and warranty claims
- Connect FMEA results to operational and financial performance
- Integrate FMEA into continuous improvement efforts