



MAKING BOTTOM LINE IMPACT

Quality & Productivity Solutions, Inc.

Consulting, Training & Auditing

*Your Partner for Improvement and
Compliance Since 1996*

**Most diversified offering of
over 400 courses**



Website: www.qpsinc.com Phone: (508) 786-0777

Email: training@qpsinc.com, jayp@qpsinc.com

[linkedin.com/company/2070049/admin/feed/posts/](https://www.linkedin.com/company/2070049/admin/feed/posts/)
<https://www.facebook.com/TheQPSInstitute>
<https://twitter.com/TheQPSInstitute>

FMEA (Failure Modes and Effects Analysis) & Risk Management

Course No. 102

 Duration 14 Hours	 Modules 4 Modules	 Format Instructor-driven via Zoom	 Outcome QPS Certificate
--	--	---	--

COURSE OVERVIEW

This course provides participants with practical knowledge and tools to systematically identify, evaluate, and mitigate potential failure modes in products, processes, and systems. Participants will learn how to implement FMEA and integrate risk management principles to ensure reliability, compliance, and customer satisfaction — aligned with AIAG-VDA FMEA methodology, ISO 14971, and IATF 16949 requirements.

LEARNING OUTCOMES & KEY TAKEAWAYS

- Upon completion of this course, participants will be able to:
- ✓ Understand the principles, objectives, and types of FMEA
 - ✓ Distinguish between Design FMEA (DFMEA) and Process FMEA (PFMEA)
 - ✓ Apply step-by-step FMEA methodology using real-world examples
 - ✓ Link FMEA with ISO 14971, IATF 16949, and other standards
 - ✓ Utilize Risk Priority Number (RPN) and Action Priority (AP) for prioritization
 - ✓ Integrate FMEA into product lifecycle and project planning processes
- Note: Actual Risk and opportunity Management, DFMEA & PFMEA SOPs plus associated form/template will be given to students by e mail for their organization use.

COURSE CURRICULUM

Module	Title	Key Topics Covered
MODULE 1	Introduction to Risk Management & FMEA	Risk management overview, FMEA history, purpose, types, and alignment with ISO and IATF standards

	Principles	
MODULE 2	Design FMEA (DFMEA)	DFMEA structure, step-by-step process, severity/occurrence/detection criteria, RPN and AP scoring
MODULE 3	Process FMEA (PFMEA)	PFMEA structure, process step analysis, control plan linkage, AIAG-VDA PFMEA methodology
MODULE 4	Corrective Actions, Auditing & Software Tools	Risk response and corrective actions, FMEA in audits, software tools overview and documentation best practices

COURSE INSTRUCTOR

The seminar leader is a Project and Risk Manager with over 20 years of industry experience.

WHO SHOULD ATTEND

Engineering & Quality Professionals

- ▶ Design and product engineers
- ▶ Quality and reliability engineers
- ▶ Manufacturing and process engineers
- ▶ Risk management professionals
- ▶ Product development teams

Operations & Compliance Teams

- ▶ Project managers and team leads
- ▶ Regulatory and compliance officers
- ▶ Automotive and medical device professionals
- ▶ Supplier quality engineers
- ▶ Anyone responsible for failure prevention and risk management

FOR FURTHER INFORMATION

Contact our Operations Manager via the email address given below!

 training@qpsinc.com  www.qpsinc.com