



Certificate in FMECA

Vskills Certifications

Vskills Brochure



Skills for a secure future

Certificate in FMECA

FMECA stands for Failure Mode, Effects, and Criticality Analysis. It's a systematic method used to identify potential failure modes within a system, evaluate the effects of those failures on the system, and prioritize them based on their criticality or severity.

The importance of FMECA (Failure Mode, Effects, and Criticality Analysis) lies in its ability to systematically identify, evaluate, and prioritize potential failure modes within a system or process.

Why should one take FMECA certification?

FMECA is essential for risk management, improving reliability, enhancing safety, reducing costs, and ensuring compliance with regulations. Its systematic approach empowers organizations to preemptively address potential failures, thereby fostering better-quality products, processes, and systems.

This Course is intended for professionals and graduates wanting to excel in their chosen areas. It is also well suited for those who are already working and would like to take certification for further career progression.

Earning Vskills FMECA Professional Certification can help candidate differentiate in today's competitive job market, broaden their employment opportunities by displaying their advanced skills, and result in higher earning potential.

Who will benefit from taking this certification?

Job seekers looking to find employment in quality management, or quality departments of various companies, students generally wanting to improve their skill set and make their CV stronger and existing employees looking for a better role can prove their employers the value of their skills through this certification.

Test Details

- **Duration:** 60 minutes
- **No. of questions:** 50
- **Maximum marks:** 50, Passing marks: 25 (50%)

There is no negative marking in this module.

Fee Structure

Rs. 3,499/- (Excludes taxes)*

*Fees may change without prior notice, please refer <http://www.vskills.in> for updated fees

Companies that hire Vskills Certified FMECA Professionals

FMECA professionals are in great demand, especially it companies are looking for skilled FMECA Professionals. Here is the list of some of the companies hiring FMECA Professionals, IBM, Barclays, Accenture, Siemens, Flipkart, etc.

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1. Introduction to FMECA

- 1.1 Overview of FMECA
- 1.2 Purpose and benefits
- 1.3 Importance in various industries

2. Basic Concepts

- 2.1 Understanding failure modes
- 2.2 Components of FMECA
- 2.3 Risk assessment principles

3. FMECA Process

- 3.1 Steps involved in FMECA
- 3.2 Data collection techniques
- 3.3 System documentation

4. Identifying Failure Modes

- 4.1 Types of failure modes
- 4.2 Failure mode identification methods
- 4.3 Failure mode classification

5. Effects Analysis

- 5.1 Understanding consequences of failure
- 5.2 Impact assessment on system performance
- 5.3 Severity classification

6. Criticality Analysis

- 6.1 Criticality determination methods
- 6.2 Risk priority number (RPN) calculation
- 6.3 Prioritizing failure modes

7. Risk Mitigation Strategies

- 7.1 Risk reduction techniques
- 7.2 Risk control measures
- 7.3 Developing action plans

8. Documentation and Reporting

- 8.1 Creating FMECA reports
- 8.2 Maintaining FMECA records
- 8.3 Communicating findings to stakeholders

9. Case Studies and Practical Applications

- 9.1 Real-world examples of FMECA implementation
- 9.2 Case studies demonstrating FMECA process
- 9.3 Practical exercises and simulations

10. Regulatory Standards and Compliance

- 10.1 Industry-specific standards (e.g., ISO 9001, IEC 61508)
- 10.2 Compliance requirements
- 10.3 FMECA in quality management systems

11. Continuous Improvement and Updating FMECA

- 11.1 Periodic reviews and updates
- 11.2 Incorporating feedback and lessons learned
- 11.3 Continuous improvement strategies

Certifications

► Accounting, Banking & Finance

- Certified GST Professional
- Certified AML- KYC Compliance Officer
- Certified Business Accountant
- Certified BASEL III Professional
- Certified GAAP Accounting Standards Professional
- Certified Treasury Markets Professional

► Big Data

- Certified Hadoop and Mapreduce Professional

► Cloud Computing

- Certified Cloud Computing Professional

► Design

- Certified Interior Designer

► Digital Media

- Certified Social Media Marketing Professional
- Certified Inbound Marketing Professional
- Certified Digital Marketing Professional

► Foreign Trade

- Certified Export Import (Foreign Trade) Professional

► Health, Nutrition and Well Being

- Certified Fitness Instructor

► Hospitality

- Certified Restaurant Team Member (Hospitality)

► Human Resources

- Certified HR Compensation Manager
- Certified HR Staffing Manager
- Certified Human Resources Manager
- Certified Performance Appraisal Manager

► Office Skills

- Certified Data Entry Operator
- Certified Office Administrator

► Project Management

- Certified Master in Project Management
- Certified Scrum Specialist

► Real Estate

- Certified Real Estate Consultant

► Marketing

- Certified Marketing Manager

► Quality

- Certified Six Sigma Green Belt Professional
- Certified Six Sigma Black Belt Professional
- Certified TQM Professional

► Logistics & Supply Chain Management

- Certified International Logistics Professional
- Certified Logistics & SCM Professional
- Certified Supply Chain Management Professional

► Legal

- Certified IPR & Legal Manager
- Certified Labour Law Analyst
- Certified Business Law Analyst
- Certified Corporate Law Analyst

► Information Technology

- Certified Angular JS Professional
- Certified Basic Network Support Professional
- Certified Business Intelligence Professional
- Certified Core Java Developer
- Certified E-commerce Professional
- Certified IT Support Professional
- Certified PHP Professional
- Certified Selenium Professional

► Mobile Application Development

- Certified Android Apps Developer
- Certified iPhone Apps Developer

► Security

- Certified Ethical Hacking and Security Professional
- Certified Network Security Professional

► Management

- Certified Corporate Governance Professional
- Certified Corporate Social Responsibility Professional
- Certified Leadership Skills Professional

► Life Skills

- Certified Business Communication Specialist
- Certified Public Relations Officer

► Media

- Certified Advertising Manager
- Certified Advertising Sales Professional

► Sales, BPO

- Certified Sales Manager
- Certified Telesales Executive

& many more job related certifications

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