MAWA EVENTS

Address: No. 857, Block A2. Leisure Commerce Square - No 9., 46150 Petaling Jaya, Selangor, Malaysia

Phone: +601116373203 | **Email:** info@mawaevents.net

CMRT (CERTIFIED MAINTENANCE AND RELIABILITY FOR TECHNICIANS) - CERTIFICATE EXAM PREPARATION

"Empowering Technicians for Certified Excellence in Maintenance and Reliability"

Schedule

Date	Venue	Fees (Face-to-Face)
26 – 30 Jul 2026	Abu Dhabi, UAE	USD 3495 per delegate

Introduction

This intensive 5-day course is designed to prepare maintenance and reliability technicians for the Certified Maintenance & Reliability Technician (CMRT) exam. It covers all key knowledge areas required by the certification, including preventive and predictive maintenance, troubleshooting and analysis, corrective maintenance, and equipment performance. Participants will gain both theoretical understanding and practical insights to confidently sit for the CMRT exam and apply best practices on the job.

Through expert-led instruction, hands-on workshops, and exam-focused exercises, technicians will sharpen their technical skills, improve their problem-solving abilities, and build the confidence needed to achieve certification and enhance their career prospects in maintenance and reliability.

Objectives

By the end of this course, participants will be able to:

- Understand the CMRT exam structure, content domains, and question types.
- Apply key maintenance and reliability concepts, techniques, and best practices.
- Improve their troubleshooting, preventive, and predictive maintenance skills.
- Review and practice exam questions to increase readiness and confidence.
- Enhance job performance and align their work with global maintenance standards.

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Why Attend

- Gain a comprehensive review of all CMRT exam topics.
- Access expert guidance on exam strategies, common pitfalls, and study tips.
- Strengthen your maintenance and reliability technical skills.
- Improve your career prospects by preparing for a globally recognized certification.
- Participate in practical workshops and exercises that reinforce exam knowledge.

Target Audience

This program is designed for:

- Maintenance and reliability technicians
- Maintenance supervisors and team leaders
- Technical staff preparing for CMRT certification
- Professionals seeking to validate their maintenance expertise
- Individuals aiming to advance their careers in industrial maintenance and reliability

Individual Benefits

Key competencies that will be developed include:

- In-depth knowledge of preventive, predictive, and corrective maintenance practices.
- Enhanced troubleshooting and equipment analysis skills.
- Increased confidence in applying reliability concepts on the job.
- Familiarity with CMRT exam format and practice questions.
- Preparation to successfully achieve CMRT certification.

Organizational Benefits

Upon completing the training course, participants will demonstrate:

- Improved technician competencies leading to higher equipment reliability.
- Enhanced maintenance team performance and reduced downtime.
- Alignment of maintenance practices with industry standards and best practices.
- Stronger problem-solving abilities across the maintenance workforce.
- Increased organizational credibility with certified maintenance professionals.

Instructional Methodology

The course follows a blended learning approach combining theory with practice:

- Strategy Briefings – Focused sessions on CMRT content domains and key maintenance principles.
- Case Studies – Real-world examples of maintenance challenges and solutions.
- Workshops – Hands-on exercises and group activities to reinforce learning.
- Peer Exchange – Group discussions on practical maintenance challenges and exam preparation strategies.
- Tools – Sample questions, practice exams, and reference materials for exam readiness.

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Course Outline

Detailed 5-Day Course Outline Training Hours: 7:30 AM – 3:30 PM Daily Format: 3–4 Learning Modules | Coffee breaks: 09:30 & 11:15 | Lunch Buffet: 01:00 – 02:00

Day 1: Introduction to CMRT and Maintenance Principles

- Module 1: CMRT Overview and Exam Structure (07:30 – 09:30)
- Introduction to the CMRT certification and its global relevance
- Understanding the exam format, domains, and preparation strategies
- Overview of maintenance and reliability core principles
- Module 2: Preventive Maintenance Fundamentals (09:45 – 11:15)
- Key preventive maintenance techniques and schedules
- Tools and systems used in preventive maintenance
- Common challenges and solutions in preventive maintenance
- Module 3: Predictive Maintenance Techniques (11:30 – 01:00)
- Condition monitoring methods and tools
- Vibration analysis, thermography, and oil analysis basics
- Integrating predictive maintenance into overall strategy
- Module 4: Workshop – Maintenance Case Studies (02:00 – 03:30)
- Group discussion on real maintenance scenarios
- Applying preventive and predictive maintenance principles

Day 2: Troubleshooting and Corrective Maintenance

- Module 1: Troubleshooting Methods (07:30 – 09:30)
- Root cause analysis and fault isolation techniques
- Common equipment failures and diagnostic approaches
- Using data and indicators for troubleshooting
- Module 2: Corrective Maintenance Practices (09:45 – 11:15)
- Strategies for effective corrective actions
- Repair versus replacement decisions
- Tools and safety considerations in corrective maintenance
- Module 3: Equipment Performance and Improvement (11:30 – 01:00)
- Analyzing equipment performance data
- Techniques to improve equipment reliability and uptime
- Setting and monitoring maintenance KPIs
- Module 4: Workshop – Troubleshooting Exercises (02:00 – 03:30)
- Hands-on troubleshooting of simulated equipment problems
- Group problem-solving and solution development

Day 3: CMRT Exam Preparation and Practice

- Module 1: Review of Exam Content Areas (07:30 – 09:30)
- Comprehensive review of all CMRT content domains
- Key concepts, definitions, and formulas to remember
- Common mistakes and how to avoid them
- Module 2: Exam Practice Questions (09:45 – 11:15)
- Working through sample exam questions
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Understanding question logic and distractors

- Time management tips for the exam
- Module 3: Workshop – Practice Exam Session (11:30 – 01:00)
- Taking a timed practice exam
- Reviewing answers and understanding rationales
- Module 4: Group Discussion and Review (02:00 – 03:30)
- Addressing individual questions and concerns
- Sharing preparation tips and resources

Day 4: Advanced Topics in Maintenance and Reliability

- Module 1: Advanced Predictive Technologies (07:30 – 09:30)
- Advanced sensors, diagnostics, and monitoring systems
- Emerging technologies in predictive maintenance
- Integrating digital tools into maintenance practices
- Module 2: Reliability Improvement Programs (09:45 – 11:15)
- Designing and implementing continuous improvement initiatives
- Engaging the maintenance team in reliability efforts
- Sustaining long-term maintenance improvements
- Module 3: Workshop – Reliability Program Development (11:30 – 01:00)
- Group exercise: Developing a reliability improvement plan
- Identifying key steps and success factors
- Module 4: Exam Readiness Check (02:00 – 03:30)
- Final review of key topics
- Self-assessment of exam readiness
- Last-minute tips and action plan for exam day

Day 5: Final Review and Certification Preparation

- Module 1: Recap of Key Learnings (07:30 – 09:30)
- Final summary of major topics
- Review of important formulas, concepts, and tips
- Module 2: Final Practice Exam (09:45 – 11:15)
- Taking a final mock exam under timed conditions
- Evaluating performance and identifying focus areas
- Module 3: Q&A and Individual Coaching (11:30 – 01:00)
- Individual feedback and targeted coaching
- Clarifying last-minute doubts
- Module 4: Closing and Certification Ceremony (02:00 – 03:30)
- Review of the course experience and key takeaways
- Certificate distribution and final remarks

Certification

Participants will receive a Certificate of Completion in CMRT (Certified Maintenance and Reliability for Technicians) Exam Preparation, validating their readiness to take the CMRT certification exam and their mastery of core maintenance and reliability competencies essential for technician-level excellence.

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Why Choose MAWA Events

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