Garnet
Garnet Global Training Center

GGT-MF-127

Manufacturing & Industrial Engineering

Manufacturing Execution Systems (MES)

أنظمة تنفيذ التصنيع (MES)

Duration	Language	Formats	Hours	Level
5 or 10 days	**English or Arabic**	**Classroom, online, in-house**	**35 / 70**	**Intermediate (practitioner)**

Overview

Manufacturing Execution Systems (MES) focuses on how the work is actually done: the methods, checks and decisions practitioners use every day, illustrated with real cases from the region. Run productive, high-quality factories with lean methods, planning and modern manufacturing technology. It runs as a 5-day or 10-day program in English or Arabic, in classrooms in Dubai, Riyadh, Cairo, London, Istanbul and other cities, or live online, and can be delivered in-house.

What you will be able to do

- Apply the methods and standards of Manufacturing Execution Systems (MES) to real tasks.
- Follow safe, compliant and documented work practices.
- Avoid the mistakes that most often cause rework or failure.
- Share good practice with your team.
- Use the right tools, checks and calculations step by step.

Who should attend

Production managers, industrial and manufacturing engineers, plant supervisors. Practitioners with one to five years of experience benefit most.

Key topics

- Production systems
- Lean and waste reduction
- Planning and scheduling
- Quality at source
- Automation and Industry 4.0
- Productivity measurement

Formats and fees

5-day classroom	**USD 4,750**
5-day online	**USD 2,950**
10-day classroom	**USD 8,950**
10-day online	**USD 5,450**
In-house	**Quotation per group**

Fees per participant, excluding VAT.

Register or ask

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Email: info@garnettrainings.com

Training: training@garnettrainings.com

Web: garnettrainings.com

Sharjah Publishing City Free Zone, Sharjah, UAE

Certificate

Participants who attend at least 90% of sessions and complete the final assessment receive a certificate of completion stating 35 contact hours (5-day) or 70 contact hours (10-day).

5-day outline

Day 1 Manufacturing Execution Systems (MES): principles and standards

- Quality at source
- Common mistakes and how to avoid them

Day 2 Methods and tools in practice

- Automation and Industry 4.0
- Productivity measurement

Day 3 Diagnosis and problem solving

- Production systems
- Regional and international case studies

Day 4 Quality, safety and documentation

- Lean and waste reduction
- Checklists and templates to take away

Day 5 Workshop, assessment and action plan

- Planning and scheduling
- Group discussion and peer review

10-day outline

Day 1 Manufacturing Execution Systems (MES): principles and standards

- Quality at source
- Common mistakes and how to avoid them

Day 2 Methods and tools in practice

- Automation and Industry 4.0
- Productivity measurement

Day 3 Diagnosis and problem solving

- Production systems
- Regional and international case studies

Day 4 Quality, safety and documentation

- Lean and waste reduction
- Checklists and templates to take away

Day 5 Workshop, assessment and action plan

- Planning and scheduling
- Group discussion and peer review

Day 6 Advanced techniques and specialist practice

- Complex cases in depth
- Measurement and reporting

Day 7 Digital tools, data and automation

- Analysis tools and software
- Using AI in this field

Day 8 Benchmarking against international practice

- Global performance benchmarks
- Hands-on workshop on a workplace challenge

Day 9 Capstone project

- Analyse a real challenge from your organisation
- Build the solution and implementation plan

Day 10 Presentations, final assessment and certificates

- Project presentations and review
- Final exam and certificate award

Schedule 2027–2030

Dates	Format	City	Language	Fee (USD)
4–8 Apr 2027	5-day classroom	Manama	English	4,750
7–11 Jun 2027	5-day online	Live online	English	2,950
1–5 Aug 2027	5-day classroom	Jeddah	Arabic	4,750
1–12 Nov 2027	10-day classroom	Dubai	English	8,950
3–14 Apr 2028	10-day classroom	Abu Dhabi	English	8,950
1–5 May 2028	5-day classroom	London	English	4,750
17–21 Sep 2028	5-day classroom	Doha	Arabic	4,750
2–13 Oct 2028	10-day online	Live online	English	5,450
1–12 Apr 2029	10-day classroom	Amman	Arabic	8,950

Dates	Format	City	Language	Fee (USD)
4–8 Jun 2029	5-day classroom	Kuala Lumpur	English	4,750
16–20 Jul 2029	5-day online	Live online	English	2,950
21–25 Oct 2029	5-day classroom	Riyadh	English	4,750
20–24 Jan 2030	5-day classroom	Manama	Arabic	4,750
13–24 May 2030	10-day online	Live online	Arabic	5,450
5–16 Aug 2030	10-day classroom	London	English	8,950
7–11 Oct 2030	5-day classroom	Istanbul	English	4,750

Customised and in-house versions of this course are available on request. garnettrainings.com/en/customise/