Garnet
Garnet Global Training Center

GGT-MF-123

Manufacturing & Industrial Engineering

Design for Manufacturing & Assembly

التصميم للتصنيع والتجميع

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

Overview

Participants in Design for Manufacturing & Assembly practise the methods, tools and standards they need to perform reliably and solve problems on the job. Run productive, high-quality factories with lean methods, planning and modern manufacturing technology. You can join a public session in one of 20 cities or live online, in English or Arabic, or bring the course in-house with examples from your own operations.

What you will be able to do

- Apply the methods and standards of Design for Manufacturing & Assembly to real tasks.
- 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.
- Diagnose common problems and identify root causes.

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

WhatsApp: +971 56 674 7382

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 Design for Manufacturing & Assembly: principles and standards

- Productivity measurement
- Common mistakes and how to avoid them

Day 2 Methods and tools in practice

- Production systems
- Lean and waste reduction

Day 3 Diagnosis and problem solving

- Planning and scheduling
- Regional and international case studies

Day 4 Quality, safety and documentation

- Quality at source
- Checklists and templates to take away

Day 5 Workshop, assessment and action plan

- Automation and Industry 4.0
- Group discussion and peer review

10-day outline

Day 1 Design for Manufacturing & Assembly: principles and standards

- Productivity measurement
- Common mistakes and how to avoid them

Day 2 Methods and tools in practice

- Production systems
- Lean and waste reduction

Day 3 Diagnosis and problem solving

- Planning and scheduling
- Regional and international case studies

Day 4 Quality, safety and documentation

- Quality at source
- Checklists and templates to take away

Day 5 Workshop, assessment and action plan

- Automation and Industry 4.0
- 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)
2–6 Aug 2027	5-day online	Live online	Arabic	2,950
20–24 Sep 2027	5-day classroom	Amsterdam	English	4,750
4–8 Oct 2027	5-day classroom	London	English	4,750
6–17 Dec 2027	10-day classroom	Dubai	English	8,950
10–21 Jan 2028	10-day online	Live online	English	5,450
10–14 Jul 2028	5-day classroom	London	English	4,750
13–24 Nov 2028	10-day classroom	Dubai	English	8,950
10–14 Dec 2028	5-day classroom	Riyadh	English	4,750
8–12 Apr 2029	5-day classroom	Cairo	English	4,750

Dates	Format	City	Language	Fee (USD)
20–31 May 2029	10-day classroom	Doha	Arabic	8,950
19–23 Aug 2029	5-day classroom	Amman	English	4,750
3–7 Dec 2029	5-day online	Live online	English	2,950
4–15 Feb 2030	10-day online	Live online	English	5,450
14–25 Apr 2030	10-day classroom	Kuwait City	English	8,950
21–25 Oct 2030	5-day classroom	Singapore	English	4,750
11–15 Nov 2030	5-day classroom	London	English	4,750

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