Garnet
Garnet Global Training Center

GGT-TC-127

Telecommunications

Wi-Fi Network Design

تصميم شبكات Wi-Fi

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

Overview

Wi-Fi Network Design focuses on how the work is actually done: the methods, checks and decisions practitioners use every day, illustrated with real cases from the region. Network, spectrum and service programs for operators and enterprise telecom teams. 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 Wi-Fi Network Design 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

Telecom engineers, network planners, operations and regulatory staff. Practitioners with one to five years of experience benefit most.

Key topics

- Network architecture
- Radio and spectrum
- Fibre and transmission
- Service assurance
- Regulation and licensing
- Emerging technologies

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 Wi-Fi Network Design: principles and standards
- Fibre and transmission
- Common mistakes and how to avoid them

Day 2 Methods and tools in practice
- Service assurance
- Regulation and licensing

Day 3 Diagnosis and problem solving
- Emerging technologies
- Regional and international case studies

Day 4 Quality, safety and documentation
- Network architecture
- Checklists and templates to take away

Day 5 Workshop, assessment and action plan
- Radio and spectrum
- Group discussion and peer review

10-day outline

Day 1 Wi-Fi Network Design: principles and standards
- Fibre and transmission
- Common mistakes and how to avoid them

Day 2 Methods and tools in practice
- Service assurance
- Regulation and licensing

Day 3 Diagnosis and problem solving
- Emerging technologies
- Regional and international case studies

Day 4 Quality, safety and documentation
- Network architecture
- Checklists and templates to take away

Day 5 Workshop, assessment and action plan
- Radio and spectrum
- 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)
15–19 Feb 2027	5-day classroom	Istanbul	English	4,750
21–25 Jun 2027	5-day online	Live online	Arabic	2,950
1–12 Nov 2027	10-day classroom	Abu Dhabi	Arabic	8,950
6–10 Dec 2027	5-day classroom	Dubai	Arabic	4,750
14–25 May 2028	10-day classroom	Kuwait City	English	8,950
19–23 Jun 2028	5-day classroom	Barcelona	English	4,750
16–20 Jul 2028	5-day classroom	Amman	Arabic	4,750
6–17 Nov 2028	10-day online	Live online	Arabic	5,450
8–12 Jan 2029	5-day classroom	London	English	4,750
16–20 Apr 2029	5-day classroom	Istanbul	English	4,750

Dates	Format	City	Language	Fee (USD)
11–15 Jun 2029	5-day online	Live online	Arabic	2,950
16–27 Dec 2029	10-day classroom	Doha	Arabic	8,950
18–22 Feb 2030	5-day classroom	Kuala Lumpur	English	4,750
8–19 Apr 2030	10-day online	Live online	Arabic	5,450
12–23 May 2030	10-day classroom	Jeddah	English	8,950
11–15 Aug 2030	5-day classroom	Riyadh	Arabic	4,750

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