Garnet
Garnet Global Training Center

GGT-TC-123

Telecommunications

FTTH Network Design & Deployment

تصميم ونشر شبكات الألياف حتى المنازل

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

Overview

FTTH Network Design & Deployment 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. Choose 5 or 10 days, classroom or live online, English or Arabic; organisations can also run it in-house and adapt the examples to their own work.

What you will be able to do

- Apply the methods and standards of FTTH Network Design & Deployment to real tasks.
- Share good practice with your team.
- Use the right tools, checks and calculations step by step.
- Diagnose common problems and identify root causes.
- Interpret data and results correctly and act on them.

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

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 FTTH Network Design & Deployment: principles and standards

- Emerging technologies
- Hands-on workshop on a workplace challenge

Day 2 Methods and tools in practice

- Network architecture
- Radio and spectrum

Day 3 Diagnosis and problem solving

- Fibre and transmission
- Common mistakes and how to avoid them

Day 4 Quality, safety and documentation

- Service assurance
- Regional and international case studies

Day 5 Workshop, assessment and action plan

- Regulation and licensing
- Checklists and templates to take away

10-day outline

Day 1 FTTH Network Design & Deployment: principles and standards

- Emerging technologies
- Hands-on workshop on a workplace challenge

Day 2 Methods and tools in practice

- Network architecture
- Radio and spectrum

Day 3 Diagnosis and problem solving

- Fibre and transmission
- Common mistakes and how to avoid them

Day 4 Quality, safety and documentation

- Service assurance
- Regional and international case studies

Day 5 Workshop, assessment and action plan

- Regulation and licensing
- Checklists and templates to take away

Day 6 Advanced techniques and specialist practice

- Complex cases in depth
- Group discussion and peer review

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
- Measurement and reporting

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)
21–25 Jun 2027	5-day classroom	Barcelona	English	4,750
5–16 Sep 2027	10-day classroom	Doha	Arabic	8,950
18–22 Oct 2027	5-day online	Live online	English	2,950
21–25 Nov 2027	5-day classroom	Kuwait City	English	4,750
21 Feb – 3 Mar 2028	10-day online	Live online	English	5,450
11–15 Jun 2028	5-day classroom	Kuwait City	English	4,750
9–13 Jul 2028	5-day classroom	Jeddah	Arabic	4,750
4–15 Dec 2028	10-day classroom	Istanbul	English	8,950
11–22 Feb 2029	10-day classroom	Manama	Arabic	8,950

Dates	Format	City	Language	Fee (USD)
20–24 Aug 2029	5-day online	Live online	Arabic	2,950
17–21 Sep 2029	5-day classroom	Vienna	English	4,750
1–5 Oct 2029	5-day classroom	Kuala Lumpur	English	4,750
7–18 Jan 2030	10-day classroom	Geneva	English	8,950
3–7 Jun 2030	5-day classroom	Vienna	English	4,750
2–13 Sep 2030	10-day online	Live online	Arabic	5,450
21–25 Oct 2030	5-day classroom	Abu Dhabi	English	4,750

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