Garnet
Garnet Global Training Center

GGT-EI-129

Electrical, Instrumentation & Control

Control Loop Tuning

ضبط حلقات التحكم

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

Overview

This program treats Control Loop Tuning as a managed system: policies, roles, resources, performance indicators and continual improvement. Power, protection and automation skills for plants, utilities and smart infrastructure. 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

- Set up and run Control Loop Tuning as a managed process with clear roles.
- Manage contractors, suppliers and internal customers.
- Plan resources, budgets and schedules realistically.
- Define KPIs and build simple dashboards for management.
- Control risk, quality and compliance in this area.

Who should attend

Electrical, instrumentation and control engineers, technicians and maintenance leads. It suits supervisors, section heads and specialists who manage, or are about to manage, this area.

Key topics

- Power system fundamentals and studies
- Protection, earthing and safety
- Control system architecture
- Field devices and loop checking
- IEC and IEEE standards
- Troubleshooting with real fault records

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 Control Loop Tuning: the management framework

- Power system fundamentals and studies
- Checklists and templates to take away

Day 2 Planning, resources and budgets

- Protection, earthing and safety
- Control system architecture

Day 3 Performance measurement and control

- Field devices and loop checking
- Group discussion and peer review

Day 4 Risk, compliance and improvement

- IEC and IEEE standards
- Measurement and reporting

Day 5 Management case study and action plan

- Troubleshooting with real fault records
- Hands-on workshop on a workplace challenge

10-day outline

Day 1 Control Loop Tuning: the management framework

- Power system fundamentals and studies
- Checklists and templates to take away

Day 2 Planning, resources and budgets

- Protection, earthing and safety
- Control system architecture

Day 3 Performance measurement and control

- Field devices and loop checking
- Group discussion and peer review

Day 4 Risk, compliance and improvement

- IEC and IEEE standards
- Measurement and reporting

Day 5 Management case study and action plan

- Troubleshooting with real fault records
- Hands-on workshop on a workplace challenge

Day 6 Advanced techniques and specialist practice

- Complex cases in depth
- Common mistakes and how to avoid them

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
- Regional and international case studies

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 Mar 2027	5-day online	Live online	English	2,950
16–27 May 2027	10-day classroom	Kuwait City	Arabic	8,950
12–16 Jul 2027	5-day classroom	Dubai	Arabic	4,750
9–13 Aug 2027	5-day classroom	London	English	4,750
17–21 Jan 2028	5-day classroom	Istanbul	English	4,750
7–18 Feb 2028	10-day online	Live online	Arabic	5,450
12–23 Mar 2028	10-day classroom	Riyadh	English	8,950
14–18 Aug 2028	5-day classroom	Kuala Lumpur	English	4,750
14–18 May 2029	5-day online	Live online	Arabic	2,950

Dates	Format	City	Language	Fee (USD)
18–22 Jun 2029	5-day classroom	Istanbul	English	4,750
15–26 Jul 2029	10-day classroom	Cairo	English	8,950
2–6 Sep 2029	5-day classroom	Doha	Arabic	4,750
21–25 Jan 2030	5-day classroom	Casablanca	English	4,750
7–11 Apr 2030	5-day classroom	Riyadh	English	4,750
5–16 Aug 2030	10-day online	Live online	Arabic	5,450
16–27 Sep 2030	10-day classroom	Abu Dhabi	Arabic	8,950

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