Garnet
Garnet Global Training Center

GGT-DS-129

Data Science & Analytics

Predictive Maintenance Analytics

تحليلات الصيانة التنبؤية

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

Overview

Predictive Maintenance Analytics turns established good practice into step-by-step methods that participants rehearse in exercises and then apply at work. Turn data into decisions with statistics, visualisation and machine learning. 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 Predictive Maintenance Analytics 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

Analysts, engineers, researchers and managers who work with data. Practitioners with one to five years of experience benefit most.

Key topics

- Data preparation and cleaning
- Statistics for decisions
- Visualisation and dashboards
- Python and SQL in practice
- Predictive models
- Data storytelling

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 Predictive Maintenance Analytics: principles and standards

- Visualisation and dashboards
- Common mistakes and how to avoid them

Day 2 Methods and tools in practice

- Python and SQL in practice
- Predictive models

Day 3 Diagnosis and problem solving

- Data storytelling
- Regional and international case studies

Day 4 Quality, safety and documentation

- Data preparation and cleaning
- Checklists and templates to take away

Day 5 Workshop, assessment and action plan

- Statistics for decisions
- Group discussion and peer review

10-day outline

Day 1 Predictive Maintenance Analytics: principles and standards

- Visualisation and dashboards
- Common mistakes and how to avoid them

Day 2 Methods and tools in practice

- Python and SQL in practice
- Predictive models

Day 3 Diagnosis and problem solving

- Data storytelling
- Regional and international case studies

Day 4 Quality, safety and documentation

- Data preparation and cleaning
- Checklists and templates to take away

Day 5 Workshop, assessment and action plan

- Statistics for decisions
- 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)
12–16 Apr 2027	5-day online	Live online	English	2,950
10–14 May 2027	5-day classroom	Abu Dhabi	Arabic	4,750
12–16 Jul 2027	5-day classroom	Casablanca	English	4,750
9–20 Aug 2027	10-day classroom	Paris	English	8,950
10–14 Jan 2028	5-day classroom	Geneva	English	4,750
10–21 Apr 2028	10-day online	Live online	Arabic	5,450
20–24 Aug 2028	5-day classroom	Manama	Arabic	4,750
11–22 Sep 2028	10-day classroom	Paris	English	8,950
8–12 Jan 2029	5-day classroom	Barcelona	English	4,750

Dates	Format	City	Language	Fee (USD)
5–16 Mar 2029	10-day classroom	Singapore	English	8,950
5–9 Nov 2029	5-day classroom	Dubai	English	4,750
17–21 Dec 2029	5-day online	Live online	English	2,950
13–17 Jan 2030	5-day classroom	Doha	English	4,750
11–22 Feb 2030	10-day online	Live online	English	5,450
9–13 Jun 2030	5-day classroom	Riyadh	English	4,750
16–27 Dec 2030	10-day classroom	Singapore	English	8,950

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