Garnet
GLOBAL TRAINING CENTER

GGT-GI-120
Course brochure

GIS, Geospatial & Remote Sensing

GIS for Transportation and Network Analysis

نظم المعلومات الجغرافية للنقل وتحليل الشبكات

Duration	Format	Language	Level
5 days (35 h) or 10 days (70 h)	**Classroom / online / in-house**	**English or Arabic**	**Intermediate**

Overview

GIS for Transportation and Network Analysis is a practical GIS, Geospatial & Remote Sensing program. Model road and transit networks for routing, service areas, location-allocation and traffic analysis. Every day pairs short theory sessions with hands-on exercises on real data and case studies, so participants leave with methods and templates they can use at work straight away. Join a public session in one of 20 cities or live online, in English or Arabic, or run it in-house with examples from your own projects.

What you will be able to do

- Apply network datasets and transport data at work.
- Apply routing and closest facility at work.
- Apply service areas and origin-destination matrices at work.
- Apply location-allocation and fleet routing at work.
- Apply traffic, accidents and public transport analysis at work.

Who should attend

GIS analysts and technicians, surveyors, planners, engineers, environmental specialists and managers who use spatial data.

5-day outline

Day 1 — **Network datasets and transport data**
- Worked examples from real projects
- Practical workshop

Day 2 — **Routing and closest facility**
- Tools, templates and best practice
- Case study and group discussion

Day 3 — **Service areas and origin-destination matrices**
- Concepts, methods and standards
- Hands-on exercise

Day 4 — **Location-allocation and fleet routing**
- Worked examples from real projects
- Practical workshop

Day 5 — **Traffic, accidents and public transport analysis**
- Tools, templates and best practice
- Capstone exercise and action plan

10-day option: adds Advanced methods and tools, Industry case studies, Integration with other systems and data, Quality, standards and governance, Capstone project and presentation.

Fees per participant

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 at your premises	**Quotation per group**

Fees exclude VAT and include materials and the certificate of completion; classroom fees include lunch and refreshments.

Certificate

Certificate of completion stating 35 or 70 contact hours for participants who attend at least 90% of sessions and pass the final assessment.

Upcoming sessions

Dates	Format	City	Language
31 Jan – 4 Feb 2027	5-day classroom	Kuwait City	Arabic
29 Mar – 2 Apr 2027	5-day classroom	Singapore	English
5–16 Apr 2027	10-day classroom	Dubai	English
9–13 Aug 2027	5-day online	Live online	Arabic
21–25 Feb 2028	5-day classroom	London	English
27 Feb – 2 Mar 2028	5-day classroom	Muscat	English

Full schedule to 2030 on the course page. We can also run it on your dates, in your city or in-house.

Register or ask
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