Telematics & GPS Tracking Training Course

Professional Development Training Course Outline

Category	Logistics and Supply Chain Management	**Duration**	5 Days
Base Fee	$1,500 USD	**Delivery Mode**	Online / On-site Hybrid

Course Introduction

Telematics & GPS Tracking Training Course is designed to equip professionals with in-depth knowledge of advanced telematics systems, GPS tracking technologies, and their practical applications in fleet management, logistics, transportation, and asset monitoring. With the growing reliance on real-time vehicle monitoring and data-driven decision-making, understanding telematics systems is critical for operational efficiency, cost reduction, and enhanced safety. This course emphasizes both theoretical understanding and hands-on practical exercises, ensuring participants gain a comprehensive skill set that aligns with modern technological trends in smart mobility and IoT integration.

This course also focuses on optimizing fleet operations, reducing fuel consumption, monitoring driver behavior, and ensuring regulatory compliance. Participants will explore cutting-edge GPS tracking tools, telematics dashboards, and analytics platforms that enable real-time monitoring, predictive maintenance, and efficient resource allocation. The program is suitable for professionals seeking to improve organizational efficiency, enhance data-driven decision-making, and implement scalable telematics solutions in diverse operational environments.

Programme Curriculum

Telematics & GPS Tracking Training Course

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Course Objectives

1. Understand the fundamentals of telematics systems and GPS tracking technology.
2. Analyze vehicle and fleet performance using telematics analytics.
3. Implement real-time GPS tracking solutions for asset management.
4. Integrate telematics systems with enterprise management platforms.
5. Monitor driver behavior to improve safety and compliance.
6. Optimize fuel consumption and reduce operational costs.
7. Apply predictive maintenance strategies using telematics data.
8. Ensure regulatory compliance in fleet and asset tracking.
9. Evaluate telematics solutions for small and large-scale fleets.
10. Develop actionable reports and dashboards from telematics data.
11. Understand IoT integration and smart vehicle technologies.
12. Implement data security and privacy best practices in telematics.
13. Conduct case studies to address real-world fleet management challenges.

Organizational Benefits

- Improved fleet operational efficiency
- Reduced fuel and maintenance costs
- Enhanced vehicle and driver safety
- Real-time monitoring of assets and vehicles
- Data-driven decision-making capabilities
- Compliance with transportation regulations
- Predictive maintenance to prevent downtime
- Increased customer satisfaction through timely deliveries
- Reduced carbon footprint through optimized routes
- Better resource allocation and planning

Target Audiences

1. Fleet managers and supervisors
2. Logistics and supply chain professionals
3. Transport and delivery operators
4. IT professionals in telematics solutions
5. Safety and compliance officers

6. Vehicle rental and leasing company staff
7. Asset tracking solution providers
8. Operations managers in transport-based businesses

Course Duration: 5 days

Course Modules

Module 1: Introduction to Telematics Systems

- Overview of telematics and GPS tracking technology
- History and evolution of telematics
- Key components of telematics systems
- Benefits of telematics in fleet management
- Case study: Telemetry implementation in a logistics company
- Hands-on practice with basic telematics dashboards

Module 2: GPS Tracking Fundamentals

- Principles of GPS technology
- Types of GPS trackers and devices
- Satellite communication and signal processing
- Tracking applications for vehicles and assets
- Case study: GPS tracking to optimize delivery routes
- Practical session on GPS device installation

Module 3: Fleet Performance Analytics

- Collecting and analyzing telematics data
- Performance metrics and KPIs
- Driver behavior monitoring and scoring
- Fuel efficiency and consumption tracking
- Case study: Improving fleet performance through analytics
- Practical exercises with telematics analytics software

Module 4: Telematics Integration

- Integrating telematics with ERP and management platforms
- IoT-enabled vehicle technologies
- Cloud-based telematics solutions
- API and software integration strategies
- Case study: IoT integration for smart logistics
- Hands-on integration exercise

Module 5: Safety and Compliance Monitoring

- Regulatory frameworks in telematics
- Driver safety monitoring tools
- Incident and accident reporting
- Compliance with transportation laws
- Case study: Reducing violations with telematics monitoring
- Hands-on compliance dashboard exercises

Module 6: Fuel Management and Optimization

- Fuel tracking and consumption analysis
- Cost reduction strategies
- Route optimization techniques
- Predictive maintenance for fuel efficiency
- Case study: Fuel savings through telematics implementation
- Practical fuel management simulations

Module 7: Data Security and Privacy in Telematics

- Securing telematics data and IoT devices
- Data encryption and access control
- Privacy compliance standards
- Risk assessment for telematics systems
- Case study: Preventing data breaches in fleet management
- Practical exercises on secure data handling

Module 8: Advanced Applications and Case Studies

- Predictive analytics for fleet management
- Smart city and urban mobility integration
- Future trends in telematics and GPS tracking
- Case study: Real-time tracking in multinational fleets
- Best practices for telematics implementation
- Hands-on scenario planning and simulations

Training Methodology

- Interactive lectures with real-world examples
- Practical exercises and hands-on sessions
- Case study analysis for real-world applications

- Group discussions and problem-solving activities
- Demonstrations of telematics and GPS software
- Continuous assessment and feedback sessions

Register as a group from 3 participants for a Discount

Send us an email: info@fineskilltrainingcenter.org or call *+254769199797*

Certification

Upon successful completion of this training, participants will be issued with a globally- recognized certificate.

Tailor-Made Course

We also offer tailor-made courses based on your needs.

Key Notes

a. The participant must be conversant with English.

b. Upon completion of training the participant will be issued with an Authorized Training Certificate

c. Course duration is flexible and the contents can be modified to fit any number of days.

d. The course fee includes facilitation training materials, 2 coffee breaks, buffet lunch and A Certificate upon successful completion of Training.

e. One-year post-training support Consultation and Coaching provided after the course.

f. Payment should be done at least a week before commence of the training, to Fineskill Training Center account, as indicated in the invoice so as to enable us prepare better for you.

Upcoming Scheduled Sessions

Start Date	End Date	Location	Price
23 Nov 2026	27 Nov 2026	Online	$1,000
23 Nov 2026	27 Nov 2026	Physical	$1,500
23 Nov 2026	27 Nov 2026	Physical	$3,000
23 Nov 2026	27 Nov 2026	Physical	$3,000

Start Date	End Date	Location	Price
23 Nov 2026	27 Nov 2026	Physical	$6,000
23 Nov 2026	27 Nov 2026	Physical	$4,500
23 Nov 2026	27 Nov 2026	Physical	$6,000
23 Nov 2026	27 Nov 2026	Physical	$6,000

Ready to enroll or request a customized program? Book online or contact us:

Register Online Now

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