



Global Professionals Institute for Training
معهد المحترفون العالميون للتدريب الأهلي

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Fire Truck Operations and its preventive Maintenance



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Introduction

Fire Truck Operations and Preventive Maintenance is a crucial training program designed to enhance the skills and knowledge of fire service personnel in the effective operation, maintenance, and safety management of fire trucks and related equipment. This course focuses on the technical aspects of fire truck operations, including understanding vehicle systems, conducting safety inspections, and performing preventive maintenance to ensure the readiness and reliability of fire apparatus in emergency situations. Participants will gain hands-on experience and practical insights to maintain optimal performance and extend the service life of fire trucks.

Course Objectives:

- ✓ To understand the key components and systems of fire trucks and their functions.
- ✓ To learn the operational procedures and safety protocols for fire truck use in emergency situations.
- ✓ To gain knowledge of preventive maintenance practices for fire trucks and related equipment.



965 99713141
965 55661069



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www.gpitraining.com



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- ✓ To develop skills in identifying and troubleshooting common issues in fire truck operations.
- ✓ To learn how to conduct routine inspections and safety checks on fire trucks.
- ✓ To understand the importance of record-keeping and documentation in fire truck maintenance.
- ✓ To explore best practices for extending the lifespan and performance of fire trucks.
- ✓ To enhance the ability to respond effectively to various emergency scenarios involving fire truck operations.
- ✓ To develop a comprehensive preventive maintenance plan for fire truck fleets.
- ✓ To improve the overall safety and efficiency of fire truck operations through proper maintenance practices.

Who should attend?

- ❖ Chief Fire Officer
- ❖ Firefighters and fire service personnel.
- ❖ Fire truck operators and drivers.
- ❖ Maintenance technicians and mechanics responsible for fire truck upkeep.
- ❖ Fire department fleet managers and supervisors.



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Program Syllabus

First Day

- Introduction to Fire Truck Systems and Components
- Fire Truck Operations and Safety Protocols
- Understanding Fire Pump Operations
- Electrical and Hydraulic Systems

Second Day

- Preventive Maintenance Principles
- Routine Inspections and Checklists
- Lubrication and Fluid Management
- Tire and Brake Maintenance

Third Day

- Pump Testing and Maintenance
- Diagnostics and Troubleshooting
- Emergency Lighting and Siren Systems
- Battery Management and Electrical Systems



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Fourth Day

- Fire Hose and Nozzle Maintenance
- Documentation and Record Keeping
- Developing a Preventive Maintenance Plan
- Safety Inspections and Compliance

Fifth Day

- Advanced Driving Techniques
- Troubleshooting Hydraulic Systems
- Managing Fire Truck Lifespan and Upgrades
- Case Studies and Best Practices
- **Program Methodology**
- A highly interactive combination of lecture and discussion sessions will be managed to maximize the amount and quality of information, knowledge and experience transfer. The sessions will start by raising the most relevant questions, and motivate everybody finding the right answers. The attendants will also be encouraged to raise more of their own questions and to share developing the right answers using their own analysis and experience. Course material through power point equipped with necessary animation, learning videos, and general discussion to



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- provide participants with full understanding concerning the subject course will be provided.
- Percentage of Delivery Methodologies
- 50% Presentation
- 20% Group & Individual Exercises
- 20% Case Studies
- 10% Active Movies and Videos

العرض المالي

السعر	مكان الانعقاد	تايخ الانعقاد	مدة البرنامج
1450 kd	Malaysia – kuala lumpur - Grand Millennium Kuala Lumpur	05-09 January/ 2025	5days

تفاصيل التكلفة :

- ❖ المحاضرة العلمية
- ❖ المادة العلمية
- ❖ الشهادات
- ❖ بوفيه خفيف
- ❖



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