COURSE OVERVIEW HE2088
Fire Protection Professional (FPP)

Course Title
Fire Protection Professional (FPP)

Course Date/Venue
Please see page 3

Course Reference
HE2088

Course Duration/Credits
Five days/3.0 CEUs/30 PDHs

Course Description

This practical and highly-interactive course includes practical sessions and demonstration where participants carryout firefighting. Theory learnt in the class will be applied using a fire extinguisher and various firefighting equipment through hands-on practical sessions.

This course is designed to provide participants with a detailed and up-to-date overview of Fire Protection Professional (FPP). It covers the importance of fire protection in industrial, commercial and residential settings; the role of a fire protection professional (FFP); the principles of fire science, fire behavior in different environments and codes, standards and regulations; the types of fire protection systems, human factors in fire safety and the fundamentals of fire detection; the fire alarm systems, designing and installation of detection systems and integration with other building systems; and the inspection, testing and maintenance (ITM).

Further, the course will also discuss the fire detection technologies and water-based fire suppression systems; the specialized water-based systems, gaseous fire suppression systems, foam fire suppression systems, portable fire extinguishers and ITM for suppression systems; the fire hazard identification, fire risk assessment process, emergency planning and preparedness; the components of FSMS and roles and responsibilities in organizations; and the integration with ISO 45001 and HSE systems and continual improvement principles.

During this interactive course, participants will learn the training and competency in fire protection, fire investigation basics and fire protection in industrial facilities and specialized buildings; the performance-based fire protection design and fire safety audits and inspections; the smart fire detection and IoT solutions, robotics and drones in firefighting; and the green and sustainable fire protection and evolving role of fire protection professionals.

Course Objectives

Upon the successful completion of this course, each participant will be able to:-

- Get certified as a "*Certified Fire Protection Professional (FPP)*"
- Discuss the importance of fire protection in industrial, commercial and residential settings including the role of a fire protection professional (FFP)
- Explain the principles of fire science, fire behavior in different environments and codes, standards and regulations
- Identify the types of fire protection systems, human factors in fire safety and the fundamentals of fire detection
- Recognize fire alarm systems, design and installation of detection systems and integration with other building systems
- Carryout inspection, testing and maintenance (ITM), emerging fire detection technologies and water-based fire suppression systems
- Discuss specialized water-based systems, gaseous fire suppression systems, foam fire suppression systems, portable fire extinguishers and ITM for suppression systems
- Apply fire hazard identification, fire risk assessment process, emergency planning and preparedness
- Identify the components of FSMS, roles and responsibilities in organizations, integration with ISO 45001 and HSE systems and continual improvement principles
- Develop training and competency in fire protection and apply fire investigation basics, fire protection in industrial facilities and specialized buildings
- Illustrate performance-based fire protection design, fire safety audits and inspections
- Discuss smart fire detection and IoT solutions, robotics and drones in firefighting, green and sustainable fire protection and the evolving role of fire protection professionals

Exclusive Smart Training Kit - H-STK®

*Participants of this course will receive the exclusive "Haward Smart Training Kit" (**H-STK®**). The **H-STK®** consists of a comprehensive set of technical content which includes **electronic version** of the course materials conveniently saved in a **Tablet PC**.*

Who Should Attend

This course provides an overview of all significant aspects and considerations of health & safety, environment & quality audits for HSEQ managers, supervisors & team leaders, health & safety officers, environmental officers, compliance officers and quality assurance (QA) personnel.

Course Date/Venue

Session(s)	Date	Venue
1	February 02-06, 2026	Glasshouse Meeting Room, Grand Millennium Al Wahda Hotel, Abu Dhabi, UAE
2	May 10-14, 2026	Tamra Meeting Room, Al Bandar Rotana Creek, Dubai, UAE
3	August 09-13, 2026	Corniche Al Hamra Road, Al Hamra District, P.O.Box 10924, Jeddah 21443, Kingdom of Saudi Arabia
4	November 08-12, 2026	Corniche Al Hamra Road, Al Hamra District, P.O.Box 10924, Jeddah 21443, Kingdom of Saudi Arabia

Training Methodology

All our Courses are including **Hands-on Practical Sessions** using equipment, State-of-the-Art Simulators, Drawings, Case Studies, Videos and Exercises. The courses include the following training methodologies as a percentage of the total tuition hours:-

30% Lectures
20% Practical Workshops & Work Presentations
30% Hands-on Practical Exercises & Case Studies
20% Simulators (Hardware & Software) & Videos

In an unlikely event, the course instructor may modify the above training methodology before or during the course for technical reasons.

Course Fee

Abu Dhabi	**US$ 5,500** per Delegate + **VAT**. This rate includes H-STK® (Haward Smart Training Kit), buffet lunch, coffee/tea on arrival, morning & afternoon of each day.
Dubai	**US$ 5,500** per Delegate + **VAT**. This rate includes H-STK® (Haward Smart Training Kit), buffet lunch, coffee/tea on arrival, morning & afternoon of each day.
Jeddah	**US$ 6,000** per Delegate + **VAT**. This rate includes H-STK® (Haward Smart Training Kit), buffet lunch, coffee/tea on arrival, morning & afternoon of each day.

Accommodation

Accommodation is not included in the course fees. However, any accommodation required can be arranged at the time of booking.

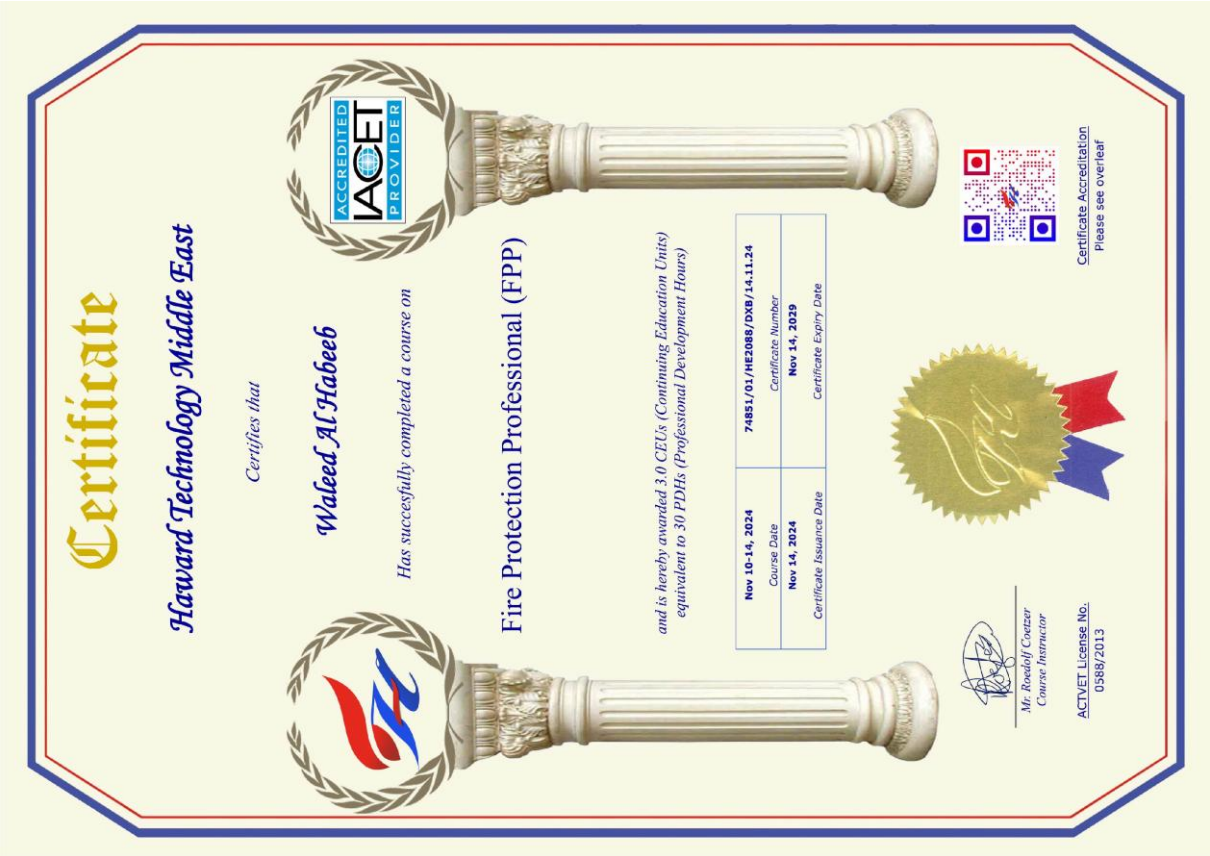
Course Certificate(s)

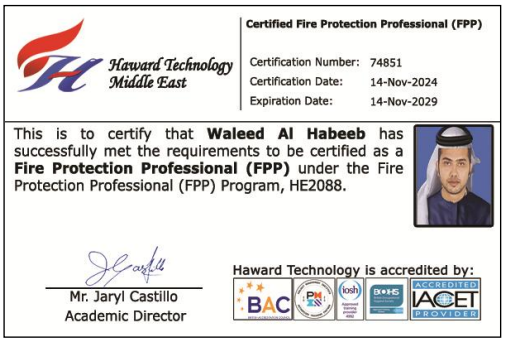
(1) Internationally recognized Competency Certificates and Plastic Wallet Cards will be issued to participants who completed a minimum of 80% of the total tuition hours and successfully passed the exam at the end of the course. Successful candidate will be certified as a "*Certified Fire Protection Professional (FPP)*". Certificates are valid for 5 years.

Recertification is FOC for a Lifetime.

Sample of Certificates

The following are samples of the certificates that will be awarded to course participants:-





(2) Official Transcript of Records will be provided to the successful delegates with the equivalent number of ANSI/IACET accredited Continuing Education Units (CEUs) earned during the course.

Haward Technology Middle East

Continuing Professional Development (HTME-CPD)

CEU Official Transcript of Records

TOR Issuance Date: 14-Nov-24

HTME No. 74851

Participant Name: Waleed Al Habeeb

Program Ref.	Program Title	Program Date	No. of Contact Hours	CEU's
HE2088	Fire Protection Professional (FPP)	Nov 10-14, 2024	30	3.0

Total No. of CEU's Earned as of TOR Issuance Date **3.0**

TRUE COPY

Jaryl Castillo
Academic Director

Haward Technology has been approved as an Accredited Provider by the International Association for Continuing Education and Training (IACET), 2201 Cooperative Way, Suite 600, Herndon, VA 20171, USA. In obtaining this approval, Haward Technology has demonstrated that it complies with the ANSI/IACET 1-2018 Standard which is widely recognized as the standard of good practice internationally. As a result of their Authorized Provider membership status, Haward Technology is authorized to offer IACET CEUs for programs that qualify under the ANSI/IACET 1-2018 Standard.

Haward Technology's courses meet the professional certification and continuing education requirements for participants seeking Continuing Education Units (CEUs) in accordance with the rules & regulations of the International Association for Continuing Education & Training (IACET). IACET is an international authority that evaluates programs according to strict, research-based criteria and guidelines. The CEU is an internationally accepted uniform unit of measurement in qualified courses of continuing education.

Haward Technology is accredited by

P.O. Box 26070, Abu Dhabi, United Arab Emirates | Tel.: +971 2 3091 714 | E-mail: info@haward.org | Website: www.haward.org

Certificate Accreditations

Haward's certificates are accredited by the following international accreditation organizations: -

- British Accreditation Council (BAC)

Haward Technology is accredited by the **British Accreditation Council** for **Independent Further and Higher Education** as an **International Centre**. Haward's certificates are internationally recognized and accredited by the British Accreditation Council (BAC). BAC is the British accrediting body responsible for setting standards within independent further and higher education sector in the UK and overseas. As a BAC-accredited international centre, Haward Technology meets all of the international higher education criteria and standards set by BAC.

- The International Accreditors for Continuing Education and Training (IACET - USA)

Haward Technology is an Authorized Training Provider by the International Accreditors for Continuing Education and Training (IACET), 2201 Cooperative Way, Suite 600, Herndon, VA 20171, USA. In obtaining this authority, Haward Technology has demonstrated that it complies with the **ANSI/IACET 2018-1 Standard** which is widely recognized as the standard of good practice internationally. As a result of our Authorized Provider membership status, Haward Technology is authorized to offer IACET CEUs for its programs that qualify under the **ANSI/IACET 2018-1 Standard**.

Haward Technology's courses meet the professional certification and continuing education requirements for participants seeking **Continuing Education Units** (CEUs) in accordance with the rules & regulations of the International Accreditors for Continuing Education & Training (IACET). IACET is an international authority that evaluates programs according to strict, research-based criteria and guidelines. The CEU is an internationally accepted uniform unit of measurement in qualified courses of continuing education.

Haward Technology Middle East will award **3.0 CEUs** (Continuing Education Units) or **30 PDHs** (Professional Development Hours) for participants who completed the total tuition hours of this program. One CEU is equivalent to ten Professional Development Hours (PDHs) or ten contact hours of the participation in and completion of Haward Technology programs. A permanent record of a participant's involvement and awarding of CEU will be maintained by Haward Technology. Haward Technology will provide a copy of the participant's CEU and PDH Transcript of Records upon request.

Course Instructor(s)

This course will be conducted by the following instructor(s). However, we have the right to change the course instructor(s) prior to the course date and inform participants accordingly:

Mr. Roedolf Coetzer is an **International Fire Fighting** & **Response Technical Adviser** with over **30 years** of extensive practical experience within the **Oil** & **Gas**, **Refinery**, **Power**, **Petroleum** and **Petrochemical** industries. His expertise includes **Incident Command**, **Incident Report & Investigation**, **Accident/Incident Investigation**, **Root Cause Analysis & Reporting**, **Fire Extinguishers**, **Portable Fire Extinguisher**, The **Triangle Fire**, **Firefighting**, **Fire Rescue**, **Fire Protection**, **Fire Prevention**, **Fire Investigation**, **Fire Behaviour**, **Fire Suppression** Systems, **Fire Safety**, **Fire Engineering** Management, **Fire Risk** Assessment, **Fire Awareness**, **Fire Detection & Alarm Systems**, Hose Reels & Sprinkler Systems, **Fire & Rescue** Planning & Operation, **Fire Equipment** & Facilities Inspection, Fire Trucks Driving & Operation, **Fire Aviation**, Wild Land **Firefighting/ICS**, **Fire & Emergency Services** Start-up & Mobilization, **Emergency Response**, **Emergency Control** Centre Operations, **Oil Spill Response**, **Emergency Management**, **Confined Space** Safety, **Fall Protection**, **First Aid & CPR**, Self-Contained Breathing Apparatus (**SCBA**), Personal Protective Equipment (**PPE**), **Gas Leaks & Gas Detectors Testing**, Workplace Violence Prevention, **HAZID**, **HAZMAT**, **HAZOP**, **HAZWOPER**, Process Hazard Analysis (**PHA**), Process Safety Management (**PSM**), **Safety Audit**, Fleet Safety Management, Lockout & Tag-out (**LOTO**), **Industrial Safety**, **Construction Safety**, **HSE Management**, **Risk Management**, **Risk Assessment & Mitigation**, Job Hazard Analysis (**JSA**), **Hazard Analysis & Control**, **Hazard Recognition**, **Hazard Identification**, **Root Cause Analysis & Problem Solving**, **Accident & Incident Investigation**, Ergonomics, Project Management, Human Resource Development, Tactics & Strategies in Hostile Environments, Organizational Change, Quality Assurance, Safety Supervision & Leadership and Industrial Hygiene. He is also specialized on **NFPA** Codes & Standards, **OSHA** Standards, **ISO 9001**, **ISO 14001**, **OHSAS 18001** and Lean Six Sigma. He is currently the **General Manager** of **AGEC** and ranked as a **Distinguished Toastmaster** (**DTM**).

During his career life, Mr. Coetzer has gained his practical and field experience through his various significant positions and dedications as the **Fire Chief**, **Fire Engineer**, **HSE & Security Manager**, **Environmental Manager**, **Project Manager**, **Acting HSE Manager**, **Senior Fireman**, **Fireman**, **Fire Marshall**, **Assistant Chief Fire Officer** (**ACFO**), **Spill Response Team Leader**, **Senior Fire & Emergency Response Technical Advisor**, **Subject Matter Expert**, **Training Development Specialist**, **Learning & Development Officer**, **Senior Officer**, **Facility Management Senior Health & Safety Supervisor**, **Fire & Rescue Services Team Member**, **Junior Fireman**, **Operational Medical Orderly** (**Ops Medic**) and a **Fire Safety**, **Prevention & Safety Technology Technician** from various companies such as the Southern African Emergency Services Institute, South African Fire Services, Al-Muhaidib Contracting Company, ACWA Power Health & Safety, HIWPT, Rabigh Arabian Water & Electricity Company (**RAWEC**), King Abdulaziz International Airport, SRT, Sizwe Consultants, Highveld Steel and Vanadium, Kriel City Council, Germiston City Council and South African Defence Force.

Mr. Coetzer is a **Certified IFSAC Firefighter I&II** (**NFPA 1001**), a **Certified First Responder Awareness Level** (**NFPA 472**) and holds a Certificate in **Electrical & Electronics NQF Level 4**. Further, he is a **Certified Lean Six Sigma Yellow Belt & White Belt**, a **Certified IADC Rig Pass Safety Orientation Instructor**, a **Certified Internal Verifier/Assessor/Trainer** by the **Institute of Leadership & Management** (**ILM**) and a **Certified Instructor/Trainer**. Moreover, he is a Registered Basic Ambulance Assistant by the South African medical and Dental Council, a recognized member of The International Fire Service Accreditation Congress (**IFSAC**), the National Fire Protection Association (**NFPA**), the International Association of Drilling Contractors (**IADC**) and South African Fire Institute. He has further delivered innumerable courses, trainings, workshops and conferences globally.

Course Program

The following program is planned for this course. However, the course instructor(s) may modify this program before or during the workshop for technical reasons with no prior notice to participants. Nevertheless, the course objectives will always be met:

Day 1

0730 – 0800	*Registration & Coffee*
0800 – 0815	*Welcome & Introduction*
0815 – 0830	***PRE-TEST***
0830 – 0930	***Introduction to Fire Protection*** *History & Evolution of Fire Protection • Importance in Industrial, Commercial & Residential Settings • Role of a Fire Protection Professional (FFP) • Global Fire Safety Statistics & Lessons Learned*
0930 – 0945	*Break*
0945 – 1030	***Principles of Fire Science*** *Fire Triangle & Fire Tetrahedron • Heat Transfer Methods (Conduction, Convection, Radiation) • Classes of Fire (A, B, C, D, K) • Fire Development Stages (Incipient, Growth, Fully Developed, Decay)*
1030 – 1130	***Fire Behavior in Different Environments*** *Compartment Fire Dynamics • Flashover & Backdraft Phenomena • Influence of Ventilation & Fuel Loads • Smoke Movement & Toxic Gases*
1130 – 1215	***Codes, Standards & Regulations*** *NFPA, OSHA, and ISO Fire Safety Standards • Building Codes & International Guidelines • Authority Having Jurisdiction (AHJ) Roles • Legal Responsibilities of Fire Professionals*
1215 – 1230	*Break*
1230 – 1330	***Types of Fire Protection Systems*** *Active Fire Protection (Sprinklers, Alarms, Suppression) • Passive Fire Protection (Barriers, Fireproofing, Compartmentation) • Egress Systems (Exits, Evacuation Planning) • Integration of Systems in Building Design*
1330 – 1420	***Human Factors in Fire Safety*** *Human Behavior During Fire Incidents • Importance of Training & Drills • Psychological Factors Under Emergency • Communication in Fire Emergencies*
1420 – 1430	***Recap*** *Using this Course Overview, the Instructor(s) will Brief Participants about the Topics that were Discussed Today and Advise Them of the Topics to be Discussed Tomorrow*
1430	*Lunch & End of Day One*

Day 2

0730 – 0830	***Fundamentals of Fire Detection*** *Detection Principles (Smoke, Heat, Flame) • Conventional versus Addressable Systems • Detector Placement & Spacing • Sensitivity & Response Times*
0830 – 0930	***Fire Alarm Systems*** *Types of Fire Alarm Systems • Alarm Initiation Devices (Manual Pull Stations, Detectors) • Notification Appliances (Audible, Visual, Tactile Alerts) • Emergency Voice/Alarm Communication Systems*
0930 – 0945	*Break*
0945 – 1100	***Design & Installation of Detection Systems*** *NFPA 72 Requirements • System Zoning & Wiring Methods • False Alarm Reduction Strategies • Testing & Commissioning Requirements*

1100 – 1215	***Integration with Other Building Systems*** *HVAC Smoke Control Systems • Elevators & Fire Service Functions • Security & Access Control Integration • Building Automation System Interface*
1215 – 1230	*Break*
1230 – 1330	***Inspection, Testing & Maintenance (ITM)*** *NFPA Inspection Frequencies • Functional Testing Procedures • Recordkeeping & Compliance Reporting • Troubleshooting Common Issues*
1330 – 1420	***Emerging Fire Detection Technologies*** *Aspirating Smoke Detection Systems (ASD) • Video Smoke/Flame Detection • Wireless Detection Systems • AI-Based Predictive Detection*
1420 – 1430	***Recap*** *Using this Course Overview, the Instructor(s) will Brief Participants about the Topics that were Discussed Today and Advise Them of the Topics to be Discussed Tomorrow*
1430	*Lunch & End of Day Two*

Day 3

0730 – 0830	***Water-Based Fire Suppression Systems*** *Wet, Dry, Pre-Action, and Deluge Systems • Fire Pumps & Controllers • Sprinkler Head Types & Applications • Design & Hydraulic Calculations Basics*
0830 – 0930	***Specialized Water-Based Systems*** *Foam-Water Sprinkler Systems • Water Mist Systems • Standpipes & Hydrants • NFPA 13 & NFPA 14 Requirements*
0930 – 0945	*Break*
0945 – 1100	***Gaseous Fire Suppression Systems*** *Clean Agent Systems (FM-200, Novec 1230) • Inert Gas Systems (IG-55, IG-541) • Carbon Dioxide Systems • Applications & Safety Considerations*
1100 – 1215	***Foam Fire Suppression Systems*** *Foam Concentrates (AFFF, AR-AFFF, Protein Foams) • Foam Proportioning Methods • Foam Application Techniques • NFPA 11 & 16 Requirements*
1215 – 1230	*Break*
1230 – 1330	***Portable Fire Extinguishers*** *Types & Classifications (Water, CO_2, Dry Chemical, Foam) • Selection Based on Hazards • Operation & Limitations • Inspection & Maintenance Requirements*
1330 – 1420	***ITM for Suppression Systems*** *NFPA 25 Guidelines • Testing Frequency & Procedures • Common Failures & Corrective Actions • Documentation & Recordkeeping*
1420 – 1430	***Recap*** *Using this Course Overview, the Instructor(s) will Brief Participants about the Topics that were Discussed Today and Advise Them of the Topics to be Discussed Tomorrow*
1430	*Lunch & End of Day Three*

Day 4

0730 – 0830	***Fire Hazard Identification*** *Common Fire Hazards in Workplaces • Hazardous Materials & Storage Risks • Ignition Sources • High-Risk Industry Scenarios*
0830 – 0930	***Fire Risk Assessment Process*** *Qualitative vs. Quantitative Risk Assessment • Risk Matrices & Scoring Methods • Scenario-Based Risk Analysis • Documentation & Reporting*

0930 – 0945	Break
0945 – 1100	***Emergency Planning & Preparedness*** *Developing Fire Emergency Plans • Evacuation Routes & Assembly Points • Special Considerations (Disabled Persons, Children, Elderly) • Fire Drill Planning & Execution*
1100 – 1215	***Fire Safety Management Systems (FSMS)*** *Components of FSMS • Roles & Responsibilities in Organizations • Integration with ISO 45001 & HSE Systems • Continual Improvement Principles*
1215 – 1230	Break
1230 – 1330	***Training & Competency in Fire Protection*** *Fire Warden & Marshal Roles • Hands-On Extinguisher & Hose Training • Evacuation Leadership Training • Continuous Professional Development*
1330 – 1420	***Fire Investigation Basics*** *Fire Cause Determination • Collection & Preservation of Evidence • Role of Fire Investigators • Case Studies of Major Fire Incidents*
1420 – 1430	***Recap*** *Using this Course Overview, the Instructor(s) will Brief Participants about the Topics that were Discussed Today and Advise Them of the Topics to be Discussed Tomorrow*
1430	*Lunch & End of Day Four*

Day 5

0730 – 0830	***Fire Protection in Industrial Facilities*** *Oil & Gas Facilities • Power Plants & Substations • Warehouses & Logistics Centers • Chemical & Hazardous Material Plants*
0830 – 0930	***Fire Protection in Specialized Buildings*** *High-Rise Buildings • Hospitals & Healthcare Facilities • Airports & Transportation Hubs • Educational Institutions*
0930 – 0945	Break
0945 – 1100	***Performance-Based Fire Protection Design*** *Prescriptive versus Performance-Based Design • Fire Modeling Software (FDS, PyroSim) • Egress Modeling & Simulation • Case Study Applications*
1100 – 1130	***Fire Safety Audits & Inspections*** *Audit Methodologies • Checklists & Compliance Verification • Gap Analysis & Corrective Actions • Reporting & Follow-Up*
1130 – 1230	***International Case Studies in Fire Protection*** *Lessons from Catastrophic Fires • Success Stories in Prevention & Suppression • Regulatory Changes Post-Major Incidents • Industry-Specific Best Practices*
1230 – 1245	Break
1245 – 1300	***Future Trends in Fire Protection*** *Smart Fire Detection & IoT Solutions • Robotics & Drones in Firefighting • Green & Sustainable Fire Protection • The Evolving Role of Fire Protection Professionals*
1300 – 1315	***Course Conclusion*** *Using this Course Overview, the Instructor(s) will Brief Participants about the Course Topics that were Covered During the Course*
1315 - 1415	***COMPETENCY EXAM***
1415 – 1430	*Presentation of Course Certificates*
1430	*Lunch & End of Course*

Simulators (Hands-on Practical Sessions)

Practical sessions will be organized during the course for delegates to practice the theory learnt. Delegates will be provided with an opportunity to carryout various exercises using fire extinguishers.

Fire Extinguisher

Course Coordinator

Mari Nakintu, Tel: +971 2 30 91 714, Email: mari1@haward.org