

## BASIC STRUCTURAL FIRE FIGHTING COURSE.

### Target Group:

Fire Brigades, Oil Industry workers, Armed forces.

### Duration:

4 weeks

### Fees:

US \$ 1140 for tuition and training materials only

### Dates:

On request.

## OBJECTIVES

To provide participants with the fundamentals of structural rescue and fire-fighting through a series of classroom lectures, practical exercises and site visits.

## OUTLINE

### Module 1: Fire Hazards and Safety Measures

- Fire Safety legislation
- Introduction to Fire (classes of fire)
- Explosion Hazards
- Chemistry of Combustion; Sidebar (1. Fireball, 2. Smouldering.)
- Fuel – Type, Behaviour, Hazards
- Portable Hand Fire Appliance
- Extinguishing Agents and their uses
- Temperature and Heat; Side Bar – 3. An Ancient View of Fire
- Fire Safety at Work
- Principles of Fire Prevention

### Module 2: Structural Emergency Procedures and Methods.

- Emergency Information
- Emergency Evacuation Procedures
- Water Supplies for Emergency purposes
- Building Construction
- Building Fires
- Smoke in a structural Fires
- Respiratory Hazards & Protection (Breathing Apparatus)
- Practical Firemanship
- Tactical ventilation
- Fire phenomenon

### Module 3: Safety Gears, Rescue & Fire-fighting

- Small Gears
- Fire Service Ladders
- Fire Fighting hose
- Ropes and Knots
- Personal Protective Equipment
- Dry & Wet Risers
- Topography of Complex Building (Fire Engineering Features)
- Case studies (Films, video clips)
- Firefighting - Attack & Defense method (Hot practical exercises)
- Hose running (Dry/ Wet practical exercise)

#### **Module 4: Basic First Aid**

- Incident Management
- Patient Management
- Patient Assessment
  - ✓ Unconscious patient without breathing
  - ✓ Unconscious patient with breathing
- Drowning & Near Drowning
- Top To Toe Survey
- Respiratory disorders
- Circulatory disorders
- Wounds & Bleeding
- Burns
- Fractures
- Penetrating Chest Wounds
- Thermo Emergencies (Hyper & Hypo Thermia)
- Soft Tissue Injuries
- Head Injuries
- Lifting & carrying
- Poisoning & Overdose

#### **ADMISSION REQUIREMENTS**

- Be certified medically and physically fit
- Be proficient in the English language
- Have a minimum of C-(minus and above) in secondary education or related qualifications.

#### **CERTIFICATION**

Participants must attend at least 90% of the training in order to be eligible for the theoretical and practical assessments. A certificate will be awarded to those who have passed both practical and theoretical assessment with an average pass mark of 50% and above.

Participants are required to bring along their official uniform, as well as track suits, t-shirts and running shoes for physical training.

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