



# 1: Fire Fighting Course

## ❖ Course Outlines:-

- **Fire Triangle**
  - = How the fire start and how to fight
- **Fire Introduction**
  - = Learn firefighting main components, firefighting codes, Important codes in design.
- **How to read the code and search**
- **Hazard description**
  - = Type of hazard and examples for each hazard.
- **Sprinklers distribution**
  - = Sprinkler distribution according to NFPA using autocad
- **Piping types**
  - = Piping common used n firefighting systems
- **Piping connections**
  - = Types of piping connections
- **Pipe sizing**
- **water systems "wet, dry, pre-action & deluge"**
- **Zone control station components**
- **Hydraulic calculation using ELITE software**
  - = Defining pump head and capacity for sprinkler system
- **Fire pump station**
  - = Pump selection and review 3D drawing for pump room
- **Water tanks**
- **Fire hose cabinets**
  - = FHC distribution and pump capacity
- **Hydraulic calculation using ELITE software**
  - = Defining pump head and capacity for FHC system
- **Fire department connection**
- **Gas systems**
  - = FM200, CO2 & NOVEC 1230
- **Fire extinguishers**
- **Complete admiration project design associated with hydraulic calculation**
- **Course projects will be through CAD software integrated with calculation software Elite**