

# THEORIES & APPLICATION OF FIRE PROTECTION & SAFETY DESIGN SYSTEMS

## OVERVIEW

If a fire breaks out and your sprinkler or alarm systems fail, there's no time for repairs! That's why it is critical to maintain fire protection systems as it is to install them in the first place. With the implementation of the Fire Services (Fire Certificate) Regulation 2001, owners of designated premises are liable and responsible for their fire protection systems to be in place and to be in order. The Fire Certificate is not about getting a Certificate of Fitness but about the maintenance of your fire protection systems. Care and maintenance include more than just inspection and testing of devices and equipment. If protection is to be effective, the proper relation between hazard and protection must be maintained. This calls for an understanding of compliance of fire protection designs and installations.

## TARGET MARKET

- Building managers, contractors, consultants and maintenance planners
- Maintenance managers and engineers
- Mechanical and electrical foreman
- Senior technologists and technical executives
- Operation managers and supervisors
- Architects and building developers
- Consulting engineers (M/E, Civil) production
- Supervisors and superintendents

## COURSE OUTLINE

- Introduction
- Fire alarm management (FSM)
- Fire alarm system
- Fire rated doors & escape way requirements
- Discussion on systems used
- Portable fire extinguisher
- Hose reel installation and design calculation
- Fixed dry and wet riser
- Automatic sprinkler systems

## OBJECTIVES

- Understanding of the fundamentals of fire protection and safety design systems and practices used in all types of industrial conditions
- Ability to select the best combinations and tactics to fire safety engineering and design practices
- Understanding on laws and requirements of what is mandatory and what is not
- Understanding to apply the most practical maintenance practices available

**SBL CLAIMABLE**



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