



SDF Funding

Employers who wish to apply for SDF funding must submit the SDF Form 1 to SDF at least one working day before course start date.

Download the form at www.sdf.gov.sg or request for a copy by calling the **SDF Hotline on 68835885**.

Registration & Payment

- Walk-in at the Customer Service Centres
- Apply online at www.ite.edu.sg/cet/sc/online.htm
- Post the application form to us

Payment is required for confirmation of place. Crossed cheques should be made payable to 'Institute of Technical Education. At the back of the cheque, please write your name, NRIC/FIN, course title and contact number.

Closing date: 1 month before course start date or when the class is full.

Withdrawal & Deferment

Withdrawal or deferment notice must be made in **writing**:

- 2 weeks or more before course start date - Full refund
- Less than 2 weeks before course start date - 50% refund
- On or after course start date - No refund

In the event that the course is cancelled due to unforeseen circumstances, full refund will be given.

DESIGN OF SPRINKLER SYSTEM IN BUILDINGS

Objective

This course will provide training in designing simple piping layout and preparing drawings of sprinkler system using CAD software in accordance with relevant codes of practice and regulations.

Who Should Attend

Draftsman, Engineering Assistant, M&E Designer, Technician, Supervisor

Content

- Describe the types of fire fighting equipment/protection systems used in multi-storey buildings.
- Elaborate on the fire hazard classification, types of occupancy, classes of sprinkler system and design data.
- Explain the operation of sprinkler heads and sprinkler systems.
- Explain the planning requirement of sprinkler system in accordance to the codes of practice in terms of :-
 1. Spacing;
 2. Location; and
 3. Piping layout
- Explain the steps involved in the sizing of sprinkler pipes including hydraulic calculations in accordance to the standard code and regulations.
- Describe the water supply systems for sprinkler system.
- Explain the pressure and flow requirements required of installation control valves.
- Explain the capacity requirement of stored water tanks, pump suction tanks and pump size.
- State the valves and ancillary equipment used for sprinkler systems.
- Design and draw the layout plan and isometric view of single and multi-storey buildings' sprinkler system in accordance to the standard codes and regulations.

Course Details

- Duration : 30 hours (10 hands-on sessions)
- Total Fee : \$370 (inclusive of GST and registration fee)
- Schedule : See our website for details or call us for more information