



THE FERTILISERS AND CHEMICALS TRAVANCORE LIMITED

FACT TRAINING CENTRE

Head Office, Udyogamandal – 683 501.

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ONE YEAR DIPLOMA COURSE IN FIRE & SAFETY ENGINEERING
(Approved by State council for Vocational Training ,Govt. of Kerala)

FACT, a Government of India Enterprise, has a rich pool of qualified and experienced Engineers and Managers, specifically in the field of Fire & Safety Engineering. Besides, the organization has a variety of firefighting equipment and state-of-art firefighting installations. The Fire & Safety Engineering department of the Company is recognized as an effective and functional resource of Ernakulam District, capable of meeting any major industrial peril. No doubt, the men and machine at the disposal of FACT, forms the back bone to provide the most practical training to students in Fire & Safety Engineering.

The objective of running a Diploma course is to develop professionals who have adequate knowledge of the subject and has the confidence to apply practical skill to any real-life situation in any organization . In addition to the theory and practical coaching in technical subjects, the students undergo training in soft skill and personality development programs, so that students who complete the course will have the capability in terms of professionalism and personality.

Fire & Safety Engineering is an expanding discipline impinging almost on all walks of life, particularly in construction industry. The job market is open for designers / operators / Engineers to manage Fire & Safety in novel and often unique circumstances.

The Fire & Safety Engineering Course features:

- Duration : One year (Two semester)
- Subjects : Semester I - Safety Management , Safety Engineering, Safety & Law, Fire Engineering-I,
- Semester II - Safety in Chemical Industry, Appraisal Analysis, Industrial hygiene and occupational health, Safety in Construction Industry and Fire Engineering-II.
- Practical training in Fire and Safety systems for more than 200 hours.
- Personality development and soft skill training.
- Practical training like Squad drills, Hose drills, Hydrant drill, Pump drills, Water and Foam Tender drills, Ladder drills, Rescue drills, Breathing Apparatus drills, Foam drills, tactical exercise, resuscitations, words of command etc.
- Special certificate program in First Aid, in association with Indian Red Cross Society, as a part of the Diploma course.

Hardware Systems and facilities for training – Fire related

- Two fire stations with three fire tenders
- First aid firefighting appliances of different types.
- Exhaustive fixed firefighting installations – fire hydrants, fire water monitors, automatic deluge valve systems, Fixed Foam Systems, Fixed Halon systems, fixed CO₂ systems, fixed FM 200 systems.
- Fire detectors, manual fire call points, fixed water spray system.
- Fire water pump houses.

Hardware systems and facilities for training – Safety related

- Safety instruments – explosive meters, multi-gas detectors, sound level detectors, oxygen measuring instruments and precision gas detectors.
- Respiratory types – Breathing Apparatus sets, Chemical protection suit, gas mask canister for different gases
- Non-respiratory types – Helmet, PVC suit, gumboot, Gloves, safety nets, belts
- Gas Monitoring Detectors (GMC)
- Work Permit System
- Communication facility – Telephone, Mobile, intercom, standby communication, Walkie-Talkie, hot lines, sirens, PA system etc.

Training Methodology

- Regular theory classes for five hours a day.
- Practical training on fire fighting installations of the company.
- Periodical tests and progress monitoring systems.
- Study visits to various organizations for understanding different fire & safety systems
Witnessing of mock drills in different organizations
Assignment / project work
- Guest lecturers by experts

Chief General Manager(Trg.& Dev.)
FACT Training Centre. Head Office,
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