



**GOVERNMENT OF KERALA**

**DEPARTMENT OF TECHNICAL EDUCATION**

**Prospectus for admission to one year Part-time**

(Approved as per G. O. (Rt) No. 1429/2024/HEDN, dtd. 16-11-2024)

**ADVANCED DIPLOMA  
IN  
INDUSTRIAL SAFETY ENGINEERING  
2024-2025**

**SUPERVISORY DEVELOPMENT CENTRE**

N. A. D. Road, Kalamassery - 683 104, Ernakulam

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## PROSPECTUS

### 1. Introduction

The Supervisory Development Centre (SDC), Kalamassery established under the Directorate of Technical Education, started functioning in 1981. The centre's focus is to coordinate activities which would be of mutual benefit to industries and related organizations which are on the lookout for appropriate graduate engineers and diploma holders and our Engineering Colleges and Polytechnics looking for avenues to provide their pass-outs with appropriate industrial training and placement. Thus, Supervisory Development Centre evolved as a hub building link between Colleges and all public/private sector industries, Corporations, Boards and Departments in the state. The activities have progressed from merely providing suitable candidates to industry, to arranging training which enhances the employability of our students.

Government has given sanction to SDC to conduct 1 year (2 semesters) Advanced Diploma in Industrial Safety Engineering. In modern industry, need of trained persons in the field of Industrial Safety Engineering is very important. The curriculum for the Industrial Safety Engineering has been revised [G.O. (Rt. No. 469/2014/H.Edn. Dated, 05-03-2014)] incorporating the latest developments in the field of safety. Theory classes and laboratory works are part of the programme. The theory classes will be conducted at Supervisory Development Centre, Kalamassery and practical sessions will be conducted in reputed industries / institutions. The State Board of Technical Education, Kerala will conduct the examinations at the end of each semester for the award of diploma. SDC is the only institution in the state approved by Government of Kerala vide G. O. (Rt.) No.123/90/LBR & REH/TVM. Dated: 15.01.1990 to conduct the diploma programme in Industrial Safety Engineering for the purpose of appointment as Safety Officer in Factories in the State as required under clause (ii) of Sub-rule (i) of rule 81-F of the Kerala factories Rules 1957.

### 2. Name of the programme :

Advanced Diploma in Industrial Safety Engineering

### 3. Duration of the programme:

1 year (2 Semesters)

### 4. Eligibility for Admission

Eligibility for admission will be as follows:

- i) Degree or Diploma in any branch of Technology/Engineering or B.Sc. Degree with Physics or Chemistry as main subject acquired from Institutions/Universities approved by the Government of Kerala with:
  - a) Post basic qualification, practical experience in a supervisory capacity of two years in case of engineering degree holders and five years in case of diploma holders in Technology/Engineering and B.Sc. Degree with Physics or Chemistry in manufacturing, maintenance or safety department in an industry; or in research, or training or education in the field of Industrial Safety, or in a Government Department in administration of safety legislation; or in building or other construction works or department of port or docks; or construction industry.
  - b) In the absence of experienced candidates as stated above, candidates with less experience or even fresh Engineering degree/diploma/B.Sc. (Physics or Chemistry) candidates will be considered. Such candidates if admitted, will have to attend and successfully complete a free bridge/preparatory course conducted at SDC prior to the commencement of the programme.
- ii) Above 18 years as on the date of notice inviting application, but there is no upper age limit.

#### **5. Number of seats**

The maximum intake for the programme is 50. Out of 50, 20 are reserved for Engineering graduates, 20 for Diploma holders and 10 for B.Sc. candidates. The vacant seats in any category will be filled up from the eligible candidates from other categories. **The programme will not be conducted if the number of candidates admitted is less than 30.**

#### **6. Fees**

To be paid at the time of Admission

Advanced Diploma in Industrial Safety Engineering : Rs 42,000/-

Fee once paid by a candidate will not be refunded under any circumstances.

#### **7. Examination Fee and PRN Fee**

As fixed and notified by the Controller of Technical Examinations.

#### **8. Attendance**

Minimum 80 % attendance is mandatory for appearing end semester examinations. However in extremely deserving cases the Assistant Director, SDC can allow condonation for candidates who have secured atleast 70 % attendance on production of valid certificates and payment of condonation fee as decided by the Controller of Technical Examinations. Condonation will be allowed at the sole discretion of the Assistant Director, SDC.

## **9. Application Form**

The application form and prospectus can be had from the Assistant Director, Supervisory Development Centre, Kalamassery on payment of Rs. 500/- (Rupees Five Hundred Only). Those who want applications by post will have to send a Demand Draft worth Rs. 600/- drawn in favour of Assistant Director, Supervisory Development Centre, Kalamassery, payable at Ernakulam and a self addressed (with pin code) envelop to the Assistant Director, Supervisory Development Centre, Kalamassery - 683 104, by registered post.

## **10. Submission of Application**

The application form duly filled up along with the following self attested copies of documents should reach the Assistant Director, Supervisory Development Centre, Kalamassery on or before the last date specified.

- (i) Relevant pages of SSLC or equivalent for proof of nationality and age.
- (ii) Degree/Diploma certificate and mark lists of the qualifying examination.
- (iii) Experience Certificate.
- (iv) A No Objection Certificate (NOC) from the employer, if the candidate is employed, should be submitted at the time of admission.

## **11. Selection of Candidates**

The Senior Joint Director (ECS), Directorate of Technical Education, Thiruvananthapuram will prepare the rank list based on the index mark. The Assistant Director, Supervisory Development Centre, Kalamassery will admit the students based on this rank list. The index mark is calculated as follow:

- a. The index mark is calculated as the sum of the percentage of marks obtained for qualifying examination and weightage for experience.
- b. A maximum of 10 years experience in a Public or Private Ltd industry, registered under company's Act will be counted for weightage and 1 mark will be given for each completed year of experience. No marks will be given for experience below six months. The maximum marks awarded towards experience will be limited to 10.
- c. The date of issue of final year/semester mark list will be considered for counting the qualifying experience.

- d. If the mark of the qualifying examination is awarded in CGPA it will be converted into percentage.
- e. For candidate who have passed qualifying examination under the grading system, grade will be converted to percentage as given below. (Example: If the grade for a particular subject is A+, the percentage of mark for that subject will be taken as 95% to calculate percentage of mark for the qualifying examination)

Grade	A+	A	B+	B	C+	C	D+
% of marks	≥90	≥80	≥70	≥60	≥50	≥40	≥30
Grade point	9	8	7	6	5	4	3
Percentage	95%	85%	75%	65%	55%	45%	35%

Percentage marks for qualifying examination = (Sum of percentage of marks for each subject) ÷ Number of subjects.

- f. In case of tie in the index marks, candidates having higher age will be given preference.

The rank list will be published in the Directorate of Technical Education (DTE) & Supervisory Development Centre (SDC), Kalamassery and also in the Webportal: [sdcentre.org](http://sdcentre.org). Selection of candidate will be made based on the rank. The selection will be provisional and subject to verification of original documents and interview conducted by the Assistant Director, Supervisory Development Centre, Kalamassery.

Admission memo will be sent to the selected candidates by Email ID and post. The Assistant Director, SDC will not be responsible for non receipt or late receipt of application forms, selection memos etc, and other correspondence pertaining to admission.

## 12. Important Dates

Application begins	: 27-11-2024
Last date and time for receipt of completed applications at the Supervisory Development Centre, Kalamassery	: 18-12-2024
Publication of rank list	: 20-12-2024
Date of Admission	: 21-12-2024
Admission closes on	: 23-12-2024
Commencement of classes	: 30-12-2024

**13. Any other details not specifically covered by these clauses will be decided by the undersigned and his/her decision shall be final.**

Sd/-

**DIRECTOR OF TECHNICAL EDUCATION**

# ADVANCED DIPLOMA IN INDUSTRIAL SAFETY ENGINEERING

## COURSES OF STUDY FOR THE FIRST AND SECOND SEMESTER



Sl. No.	First Semester	Second Semester
	Accident Prevention, Investigation and Analysis	Legal Aspects of Safety
	Safety in Electrical System	Computer Aided Risk Analysis and Emergency Procedure
	Safety Engineering	Safety in Chemical Industry
	Safety, Health and Environment Management	Occupational Health and Industrial Hygiene
	Fire Engineering	Industrial visit & Seminar
		Project work
		Industrial Hygiene Laboratory







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