

Established - 2001



Chandralop Shikshan Prasarak Mandal's

# ***College of Fire Engineering And Safety Management***

Certified : An ISO 9001:2015 & OHASH 18001:2007



PROSPECTUS





## Message from the Board of Directors

Dear Students,

It gives us immense pleasures in presenting College of Fire Engineering and Safety Management before you as a premier Institution in the country set up to provide education in the areas of Fire Engineering and Safety Management and allied Engineering fields.

College of Fire Engineering and Safety Management is an organisation that focuses on innovative approaches to Fire and Safety Engineering. Its purpose is to train people in the field of Fire and Safety and encourage and integrand approach to the reduction of life and property loss from fire by effective educational programs. The college pursues this goal by conducting several courses for the public with extensive practical training.

"Success is achieved by those, who dare to dream and work upon their dreams thus explore the possibilities of whole world who remain confident and firm about their decision and keep focusing on their goal. You can be one of them if you adapt above qualities in you". It is said that if we have solid determination there are lot of ways to achieve our target. College of Fire Engineering and Safety Management is introduced as a way for you like that.

It is our privilege to welcome the new batch of students and we are confident that the college will present a pleasant environment with strong educational support for all ambitious students to become successful Fire and Safety Engineers.

We wish you bright success for your future.

Best Wishes...



President  
**Pankaj Lokhande**

Awarded  
Bharatiya Shiksha  
Ratan Award  
From NEHRDO,  
Mumbai



Secretary  
**Chandrashekar Lokhande**

Awarded  
Lifetime Achievement Award  
in Educational Excellence  
Rashtriya Gaurav Award  
Best Citizen of India 2010

# Chandralop Shikshan Prasarak Mandal's

Reg. No. MH / 6003 / 7-2-2001, B.P.T. Act 1950 F-6634



## College of Fire Engineering and Safety Management

Campus : Gut No. 52, Harsul - Sawangi, Jalgaon Road, Aurangabad - 431008.

COURSES OFFERED	DURATION	INTAKE
* B Sc. in Fire and Safety	Three Year	60
* Diploma in Fire Service Engineering	Two Year	60
* Advance Diploma in Industrial Safety	One Year	90
Advance Diploma in Fire Safety Health & Environment	One Year	40
Diploma in Fire Engineering & Safety Management	One Year	120
Diploma in Safety, Health & Environmental Engineering	One Year	60
Fire Engineering (Fireman) OR Safety Engineering	Six Month	30

### Recognised by

- \* MAHARASHTRA STATE BOARD OF TECHNICAL EDUCATION & DTE MUMBAI
- \* UGC, MINISTRY OF HRD (Government of India)







CFESM is situated in a very calm and quiet atmosphere, at the outskirts of the city of Aurangabad. The environment is fresh and lonely enabling students to concentrate on their studies. The curriculum is designed with regular practicals and technical visits. Students are regularly exposed to various fire fighting appliances and equipments. To cater the needs of the outstation students separate hired hostels and quality mess facilities for boys and girls are provided at reasonable rates.

CFESM mainly focuses on the innovative approach to Fire Engineering and Safety Management. It has a very noble cause of fulfilling the need of our society and country by providing effective education and training of the highest standard to the students in the field of Fire and Safety, resulting ultimately into the reduction of the invaluable human life and precious property loss due to Fires. CFESM is continuously striving to achieve this goal by conducting various courses with extensive practicals/technical visits/Attachment Training Programs.

CFESM is also aware about the fact that a good and better service is offered to candidates having experience. To ensure that all the students get better and quick jobs they are provided with practical attachment training in leading organisations like Rashtriya Chemical Fertilizers, MSEB Thermal Power Station, Municipal Corporations etc.

### Objectives

- » To develop high academic standards and quality of education for its programs so as to extend limitations beyond traditional classroom situations.
- » To create through effective education, training and research, a renewable talent bank in varied disciplines.
- » To assist in development of new methods and process of fire engineering services, skills and analytical techniques.
- » To develop managerial/leadership abilities and analytical skills, training, communication with the community and interaction with government and statutory authorities.
- » To promote placements in various industries / organisations.
- » To create awareness about fire and precautions to be taken to avoid mishaps due to fire.
- » To expertise mankind in using machines and allied equipments more effectively during fire, excess environmental pollution and hazards associated with them.
- » To minimise losses of life and property due to fire by producing skilled professionals who can standby firmly during calamities.
- » To carve out trained professionals to fulfill the necessities of a full fledged Safety and Environment Control Department, as this is now felt by emerging competitive environment industries and businesses.

### Mission Vision

- » To establish as one of the premier Institutions of Fire Engineering and Safety Management, in India.
- » To pursue for attending and imparting the highest national standard of teaching and training in the field of Fire Engineering and Safety Management.
- » To create awareness of "The quality of life protection" through fire safety training programs.
- » To induce life long learning knowledge skills, for social and personal development.





## Features

- › Highly qualified, skilled and experienced staff having practical fire fighting knowledge.
- › Regular exposure of students to various equipments and appliances associated with fire.
- › Vast and varied practical curriculum.
- › Regular Technical visits to industries, organisations and places involving high fire risks in order to encourage and buildup the students fire fighting courageous knowledge.
- › Practical attachment training in leading organisations like Rashtriya Chemical and Fertilizers, MSEB, Thermal Power Stations, Municipal Corporations, ONGC, Oil Refineries etc.
- › Separate hostel facilities for boys and girls.
- › Fresh, friendly, energetic and interlinking environment between the staff and students. Well equipped computer lab with all necessary hardwares and softwares to serve as an extra advantage for the interested students.
- › Assist the students in getting jobs by displaying the job vacancies in respective fields.
- › Arrange various programs and practicals to encourage students for research.

## Fire & Safety Engineering : A Challenging Profession

Fire Engineering can be defined as, "The application of scientific and engineering principles, rules and expert judgments, based on understanding of the phenomenon and effects of fire, its reactions and behavior of people, property and the environment from the destructive effects of fire".

This nature and characteristics of fire and the mechanics about how fire spreads is most understood by fire engineers. They are the experts with varieties who can tackle fire and reduce the losses due to it.

By virtue of its growing role in saving life and property on a large scale, Fire Engineering is fast becoming one of the world's noblest professions. Industrial statistics has put the upcoming Indian requirements of over one lakh personnel of Fire and Safety per year. Moreover, unlimited opportunities come from abroad, especially from the Gulf countries. Students investing their time in this sunrise industry are creating a great career opportunity for them selves, in addition to getting a head start over job seekers in other fields.

Fire engineers find job openings in the Government Fire Services, Architectural and Building Design, Insurance Assessment, Project Management, Aircraft Industry, Refineries, Industrial Processing and in any area where the possibility of fire or combustion represents a hazard with increasing urbanisation, the use of electrical appliances, office automation, etc.

The increasing number of fire disasters in Refineries, Petrochemical Plants, Industries and other strategic places is causing tragic loss of precious lives and large scale destruction of property. This confirms the necessity for Fire Fighting Engineers.







## Admission Process

- » Four Passport Size recent Photographs,
- » Two sets of attested Photocopies of mark sheets of the recent education completed.
- » Two sets of attested Photocopies of school leaving certificate/passing certificate/date of birth certificate.
- » Employment certificate for working personnel coming through their Firms/Organisations/Institutions, etc.
- » DD of part payment/admission fee in favor of "COLLEGE OF FIRE ENGINEERING AND SAFETY MANAGEMENT".

## Eligibility Criteria

- » 10th, 12th (any stream), Diploma holder (any stream), Graduate (any stream), Post graduate (any stream) pass candidate from recognized educational Board is entitled for admission to these courses.
- » Personnel of fire departments and or safety management departments from various Institutions/Organisations can seek admission for further advanced education and training program.
- » All those service personnel who are already engaged with their jobs and are vigorous to join this field for bright future.
- » No entrance examination for admission to these courses.
- » Documents required for ADIS Course - 10th, 12th, Diploma OR B.Sc. Marksheet & T.C. OR Migration Certificate

## Course Structure

### Advance Diploma in Industrial Safety (Yearly Pattern)

Sr. No.	Subject Title	Subject Code	Teaching Scheme				Examination Scheme								Total	SW (23100)
			TH	TU	PR	Paper HRS	TH		PR		OR		TW			
			Max	Min	Max	Min	Max	Min	Max	Min	Max	Min				
1	Industrial Safety Management	23108	02	01	--	03	100	50	--	--	--	--	--	--	100	
2	Safety in Engineering Industries	23109	02	--	02	03	100	50	--	--	50#	25	--	--	150	
3	Construction Safety	23110	02	01	--	03	100	50	--	--	--	--	--	--	100	
4	Chemical & Process Safety Management	23111	02	01	--	03	100	50	--	--	--	--	--	--	100	
5	Environmental Management	23112	02	01	--	03	100	50	--	--	--	--	--	--	100	
6	Quality Control in Occupational Safety & Health	23113	02	01	--	03	100	50	--	--	--	--	--	--	100	100
7	Safety, Health & Environmental Legislation	23114	02	01	--	03	100	50	--	--	--	--	--	--	100	
8	Industrial Hygiene & Occupational Health	23115	02	01	02	03	100	50	--	--	50#	25	--	--	150	
9	Project	23057	--	--	04	03	--	--	--	--	50#	25	50@	25	100	
<b>Total</b>		--	<b>16</b>	<b>06</b>	<b>08</b>	--	<b>800</b>	--	--	--	<b>150</b>	--	<b>50</b>	--	<b>1000</b>	<b>100</b>





## First Year Diploma in Fire Service Engineering (FR)

Sr. No.	Subject Title	Subject Code	Teaching Scheme				Examination Scheme									
			TH	TU	PR	Paper HRS	TH		PR		OR		TW		Total	SW (23100)
							Max	Min	Max	Min	Max	Min	Max	Min		
1	Fire Service Organization	23116	02	01	--	03	100	40	--	--	--	--	--	--	100	
2	Safety Management	23117	02	01	--	03	100	40	--	--	--	--	--	--	100	
3	Business Communication Skills - I	23118	02	01	--	03	100	40	--	--	--	--	50@	20	150	
4	Fire Engineering Science	23141	02	01	--	03	100	40	--	--	--	--	--	--	100	
5	Special Fire Hazards	23142	02	01	--	03	100	40	--	--	--	--	--	--	100	100
6	Fire Fighting Drills - I	23004	--	--	05	--	--	--	50#	20	--	--	50@	20	100	
7	Fire Service Equipments & Appliances	23005	--	--	05	--	--	--	50#	20	--	--	50@	20	100	
8	Field Work	23006	--	--	07	--	--	--	50#	20	--	--	50@	20	100	
<b>Total</b>			<b>10</b>	<b>05</b>	<b>17</b>	<b>--</b>	<b>500</b>	<b>--</b>	<b>150</b>	<b>--</b>	<b>--</b>	<b>--</b>	<b>200</b>	<b>--</b>	<b>850</b>	<b>100</b>

## Second Year Diploma in Fire Service Engineering (FR)

Sr. No.	Subject Title	Subject Code	Teaching Scheme				Examination Scheme									
			TH	TU	PR	Paper HRS	TH		PR		OR		TW		Total	SW (23100)
							Max	Min	Max	Min	Max	Min	Max	Min		
1	Internship*	23030	--	--	--	--	--	--	--	--	50@	20	50@	20	100	
2	Industrial Safety	23201	02	01	--	03	100	40	--	--	--	--	--	--	100	
3	Fire Prevention Rescue & Paramedics	23202	02	01	--	03	100	40	--	--	--	--	--	--	100	
4	Fire Detection & Fire Fighting Systems	23203	02	01	--	03	100	40	--	--	--	--	--	--	100	
5	Fire Safety in Buildings	23204	02	01	--	03	100	40	--	--	--	--	--	--	100	100
6	Business Communication Skills - II	23205	02	01	02	03	100	40	--	--	50#	20	50@	20	100	
7	Fire Fighting Drills- II	23031	--	--	06	--	--	--	50#	20	--	--	50@	20	100	
8	Rescue Techniques	23032	--	--	06	--	--	--	50#	20	--	--	50@	20	100	
9	Project	23033	--	--	05	--	--	--	50#	20	--	--	50@	20	100	
<b>Total</b>			<b>10</b>	<b>05</b>	<b>19</b>	<b>--</b>	<b>500</b>	<b>--</b>	<b>150</b>	<b>--</b>	<b>100</b>	<b>--</b>	<b>250</b>	<b>--</b>	<b>1000</b>	<b>100</b>

ABBREVIATIONS : TH - THEORY, TU - TUTORIAL, PR - PRACTICALS, OR - ORAL, TW - TERM WORK, SW - SESSIONAL WORK, # - EXTERNAL, @ - INTERNAL.

Assessment of practical, oral and term work are to be done as per the prevailing norms for curriculum implementation and assessment.

Exemption shall not be granted to any student under any circumstances.

External examiner shall not insist upon practicals on Appliances / Vehicles in practical examination of Fire Service Equipments & Appliances.

For sessional marks - 2 theory class test of 25 marks each are to be conducted. Average is to be considered. Total marks is to be converted to the base of 100.







## Diploma in Fire Engineering & Safety Management

Sr. No.	Theory & Practical Subject Title	Examination Scheme & Maximum Marks						
		TH	PR	Paper Hrs.	TH	PR	OR	SW
<b>1<sup>st</sup> Semester</b>								
1	Fire Engineering Science	4	-	2.30	75	-	-	25
2	Safety Management	4	-	2.30	75	-	-	25
3	Fire Prevention & Protection	4	-	2.30	75	-	50	25
4	Safety Engineering	4	-	2.30	75	-	-	25
5	Practical : Fire Fighting Drill	-	6	2.30	-	50	-	-
<b>Total</b>		<b>16</b>	<b>6</b>		<b>300</b>	<b>50</b>	<b>50</b>	<b>100</b>
<b>2<sup>nd</sup> - Semester</b>								
1	Fire Extinction Science	4	-	2.30	75	-	-	25
2	Construction Safety	4	-	2.30	75	-	-	25
3	Fire Service Administration	4	-	2.30	75	-	-	25
4	Industrial Hygiene & Health	4	-	2.30	75	-	50	25
5	Project Work	-	6	-	-	50	50	-
6	Practical: Field Training	-	6	2.30	-	50	-	-
<b>Total</b>		<b>16</b>	<b>12</b>		<b>300</b>	<b>100</b>	<b>100</b>	<b>100</b>

## Diploma in Industrial Safety Health & Environmental Engineering

Sr. No.	Theory & Practical Subject Title	Examination Scheme & Maximum Marks						
		TH	PR	Paper Hrs.	TH	PR	OR	SW
<b>1<sup>st</sup> Semester</b>								
1	Safety Engineering - I	4	2	2.30	75	-	50	25
2	Safety, Health & Env. Legislation	4	-	2.30	75	-	-	25
3	Environmental Management	4	-	2.30	75	-	-	25
4	Environmental Pollution Monitoring & Control	4	-	2.30	75	-	-	25
<b>Total</b>		<b>16</b>	<b>2</b>		<b>300</b>	<b>--</b>	<b>50</b>	<b>100</b>
<b>2<sup>nd</sup> - Semester</b>								
1	Safety Engineering - II	4	-	2.30	75	-	-	25
2	Occupational Health & Safety	4	0	2.30	75	-	50	25
3	Construction Safety	4	-	2.30	75	-	-	25
4	Industrial Environment Law Management	4	-	2.30	75	-	-	25
5	Project Work	-	4	-	-	50	50	-
<b>Total</b>		<b>16</b>	<b>4</b>		<b>300</b>	<b>50</b>	<b>100</b>	<b>100</b>





## Six Months Certificate Course in Fire Engineering

Sr. No.	Theory & Practical Subject Title	TH	PR	Examination Scheme & Maximum Marks				
				Paper Hrs.	TH	PR	OR	SW
1	Fire Engineering Science	4	-	2.30	75	-	50	25
2	Fire Prevention & Protection	4	2	2.30	75	-	50	25
3	Fire Extinction Science	4	-	2.30	75	-	50	25
4	Fire Service Administration	4	-	2.30	75	-	-	25
5	Practical : Fire Fighting Drill	-	6	2.30	-	50	-	25
6	Practical: Field Training	-	6	2.30	-	50	-	25
7	Project Work	-	-	-	-	50	50	-
<b>Total</b>		<b>16</b>	<b>14</b>		<b>300</b>	<b>150</b>	<b>200</b>	<b>150</b>

## Six Months Certificate Course in Safety Management

Sr. No.	Theory & Practical Subject Title	TH	PR	Examination Scheme & Maximum Marks				
				Paper Hrs.	TH	PR	OR	SW
1	Safety Management	4	-	3	75	-	-	25
2	Safety Engineering	4	2	3	75	-	50	25
3	Construction Safety	4	-	3	75	-	-	25
4	Industrial Hygiene & Health	4	2	3	75	-	50	25
5	Project Work	-	-	-	-	50	50	-
<b>Total</b>		<b>16</b>	<b>4</b>	<b>12</b>	<b>300</b>	<b>50</b>	<b>150</b>	<b>100</b>

## Six Month Certificate Course In Environmental Engg.

Sr. No.	Theory & Practical Subject Title	TH	PR	Examination Scheme & Maximum Marks				
				Paper Hrs.	TH	PR	OR	SW
1	Environmental & Safety Laws	4	-	2.30	75	-	-	25
2	Environmental Management	4	2	2.30	75	-	50	25
3	Environmental Pollution Monitoring & Control	4	2	2.30	75	-	50	25
4	Society, Environment & Management	4	-	2.30	75	-	-	25
5	Project Work	-	-	-	-	50	50	-
<b>Total</b>		<b>16</b>	<b>4</b>		<b>300</b>	<b>50</b>	<b>150</b>	<b>100</b>







## Practical and Attachment Training

To expose fire engineering and safety management students to new technologies and practical aspects associated with it, CFESM has good practical training programs in its curriculum. Apart from curriculum practical, various technical visits at high risk places like Aurangabad Airport, various Ship Yards at Goa, Five Star Hotels like Rama International, etc are arranged.

### Students are exposed to:

- » All fire Equipments & Appliances.
- » Smoke Heat & Fire Alarm Systems.
- » Care and Maintenance of Fire Extinguisher.
- » Testing & Installation of Fire Protection system.

### Various Drills and Practical Training contents

- » Fire Squad Drill, Parade & P.T.
- » Fire Extinguishers Operation Maintenance and Construction.
- » Fire Hose pipe drill (Dry & Wet).
- » Hydrant drill (Dry & Wet).
- » Pump & Pump Operation Drill.
- » Fire tender drill (Dry, Wet & Mounting)
- » Ladder drill (Climbing & crew with hose pipe line position)
- » Fire casualty rescue operation drill.
- » Fire salvages parade.
- » First aid as medical bandage practical.
- » Ambulance parade (Casualty stretcher loading & unloading)
- » Conduction of practical seminars on Worker's Health, Safety & Environment.
- » Wearing and operational procedure of B.A. set.
- » Fixed Fire Fighting Installation practical.
- » Live fire demonstration (Solid, Liquid, L.P.G. Gases & Metal Fire Fighting), etc.

### Attachment Training

Our students undergo Practical Attachment Training in the leading fire service, chemical complexes like Rashtriya Chemical Fertilizers Thal, Alibagh, Thermal Power stations like Parali and Municipal Corporation fire training schools. During this training, students get real job experience by working along with fire service personnel and come to know the challenge in this task while attending the live fire fighting and rescue calls.

At ONGC, BPCL students got experience of working at a major chemical complex and oil refineries, learnt complexities while managing the risk of hazardous, flammable and toxic chemicals. Our students attended fire and emergency calls of highly complex nature at this complex.

At MSEB Thermal Power station, students get experience of working at a major thermal power generating station and learnt the intercity while managing the risk of hazardous risk at such plants like coal, Hydrogen, high pressure equipment, high voltage electrical equipment. Our students attended fire and emergency calls hazardous substances at this station.

At Municipal Corporation Fire Training Schools of, students get experience of working at fire service of major city and learnt how to overcome the problems like the management of mob / crowd while attending the public calls like house collapse, leak from road tank lorries, rescue from water tanks / wells. Our students attended fire and rescue calls of various nature during this attachment training.





## Job Prospectus

Job prospectus for Fire, Safety and Environmental Engineers is very bright. Industrial statistics has put the upcoming Indian requirements of over one lakh personnel of Fire and Safety per year. Moreover, unlimited opportunities come from abroad, especially from the Gulf countries

Type of industries and capacity in which successful candidates get employment.

### A) Wage Employment

Capacity (Designation) In which employed	Types of Industries Organisation
<ul style="list-style-type: none"> <li>(a) Fire officer</li> <li>(b) Advisor / Consultant</li> <li>(c) Expert in designing</li> <li>(d) Marketing Manager</li> <li>(e) Technical Service Manager</li> <li>(f) SHE Department</li> </ul>	Chemical, Petro-chemical, Engineering Textile construction, pharmaceutical food and paint industries, Oil refiners, Airports, Airlines, Railway Network, Merchant Navy, Electronics Industry, Hazardous Industry, Transportation & Construction Industry, Hospital, Star Hotels, Shopping Complexes, Large Installations & National Security Services, Various municipal corporations (Fire department).

### B) Self employment / Opportunities

Capacity	Nature of Work
<ul style="list-style-type: none"> <li>(a) Self employment,</li> <li>(b) consultant</li> <li>(c) advisor</li> <li>(d) trainer</li> </ul>	To start own Consultancy / Advisory Services, Auditing of SHE and Co-ordinate with approval By and MSPCB (Maharashtra State Pollution Control Board ) DISH, MOE&Fto carry out Analysis as per the recommended Standards for various products and as well as for air,water and industrial effluents







### C) Job Functions of The Industrial Safety Diploma Holders

Position of Employment	Job function to be Performed
<b>Safety Analyst</b>	To carry out analysis of various Product samples such as pharmaceuticals food, oil petroleum products, paper pulp, coal, water, industrial effluents, cosmetics etc.
<b>Senior Safety Analyst</b>	To do all the job functions he/she has to supervise the methods employed are as per the I.S.I F.D.A.,G.M.P. etc. and also to see the routine functions of Instruments
<b>Safety Officer</b>	Planning & Supervising the work of analysis carried out and also check the proper functioning of instruments.
<b>Safety Manager</b>	Planning of Analysis to do overall surveillance of the SHE activity.

### D) Job Functions of Fire and Safety Course Holders

Position of Employment	Job function to be Performed
<b>Sub - Officer</b>	Active fire fighting training, drills and parades of subordinates Assisting seniors in fire audit and fire inspections, Maintenance of fire fighting equipment and vehicles. To discharge all the additional duties assigned by superiors.
<b>Station Officer</b>	To perform all job functions of Sub - Officer To inspect fire fighting installations To take preventive measures and to follow safety guidelines. Reporting the Head for the training drills and parades. To inspect the premises of an industry and give professional advice. To carry out mass educational programme in fire preventions and protection. To discharge all the additional duties assigned by superiors.
<b>Divisional Officer</b>	To perform all job functions of Station Officer - Administration. Supervising Station Officer, advising them in discharging their duties. To discharge all the additional duties assigned by superiors.
<b>Deputy Chief Fire Officer</b>	To perform all functions of Divisional Officer - Planning and Administration. Conducting a training for the staff for enhancement of their capabilities, knowledge and skills.
<b>Chief Fire Officer</b>	To perform all job functions of Deputy Chief Fire Officer - Chief of the department. To see the welfare of the Staff Planning, administration and Decision.





# About the Courses



## Fire Engineering

Fire is one of the simplest form of energy known to man, Ever since man learnt to use it, it has been used for a variety of purpose. In the early days it was used to safeguard one from cold, as a source of light and as a medium of cooking food. Today, we see fire being used for a number of purposes. However, fire, like many other boons, is hazardous. This necessitates due care in its use. Invaluable lives are lost every year due to inadvertent fires. Similarly, property worth crores of rupees is destroyed by uncontrolled fire incidents. A number of industrial units suffer huge losses due to fire. Hence, it is necessary to understand the mechanism of fire and methods of prevention of losses from it, for the safe working of any industry.

The analysis of major fires, which break out in office type buildings, the main causes finally identified, were due to electrical short circuit / overheating of electrical equipment and open flame / unextinguished smoking materials. In industrial buildings, in addition to these sparks due to electricity / impact / friction and poor housekeeping are also identified as causes of major fire hazards. So while planning the fire prevention measures for any occupancy it is necessary to study in details the possibilities of fire due to all these sources and the preventive measures required. At last we know the fact that many valuable lives and crores of rupees of material are lost in fire accidents in all over the world.

This has created demand of trained fire safety engineering and fighters. This has also created wide business potential as well as growth in overall fire protection industry as a whole. Overall, the demand for highly trained Fire Protecting Engineers CFESM presenting fire and safety engineering courses to train students and promote knowledge of fire and safety engineering to join the new profession.

The systematic growth of fire industry mainly was in large sectors as well as Government sectors, but in recent times, the private sector has also shown tremendous growth due to accurate Fire law provisions and their implementations by authorities in each city, town etc. In future, the Government will enforce strict implementation of Fire codes in commercial industrial and other institutional sectors.

## Safety Engineering

Aerospace, Military, Medical, Scientifically-advance project and High-Tech industries have relied on the system safety specialist to develop concepts, designs and product that have a high reliability of operations and low level of risk. Such specialists ensure that the safety concepts and mechanisms work correctly every time, without harm to users, operators or the equipments itself.

Safety professionals play an important role in the safety of all forms of Transportation, Railroads, Aviation, Shipping Corporations, Oil and Gas Pipelines, Chemical Plants and many Engineering involves the identification, Evaluation, and Control of hazards in man-machine system (Products, machines, Equipment, or facilities) that contain a potential to cause inquiry to people or damage to property Safety management consists of a set or safety programme elements, policies, and procedures, that manage the conduct of safety activity. Safety Engineering and Safety Management make up the integrated whole. While Safety Engineering can be viewed as being the administrative or software side of such prevention. Safety Management provides the structure within which the techniques of safety engineering are applied.

The purpose of this course is to provide the students with an understanding of industrial safety and accident prevention. By this course the student will gain knowledge of hazards in work place, management's liability and role in risk reduction, and the responsibilities of State and Central Government. The educational goal of CFESM is to introduce students to the technical means in regard to prevent and reduce injuries or accidents in work places, because it directly or indirectly treats a right to live for mankind. Another goal is to contribute to the industry and development of the country and promotion of citizens welfare in accordance with education of special engineers. Industrial safety engineering concerned with preventing accidents and minimizing their consequences as well as with reduction stress and inquiry to human being at the work place. Another important aspect is minimizing of property damage as chemical, electrical, mechanical, architectural safety engineering. Therefore, the trends in the recent research is technical means for effectively interfacing operations on the Man to Machine to Machine System.







## A Safety Man's Prayer

When I am called to duty, God whenever  
accident may occur give me strength to save some life  
Whatever be it's age help me embrace a little  
child before it is too late or save an older  
person from the horror of that fate  
Enable me to alert and their hear the weakest shout  
and quickly & efficiently to pull them all out  
I want to full my ealling & to guard my every  
neighbor & protect his property.  
And of according to fate I am to lose my life  
please bless with year protecting  
hand my children & Wife.





## Facilities



CFESM extends teaching-learning activities beyond the classrooms in the form of sub group discussions, seminars, symposia, and visit to industries. A great deal of emphasis is laid on meditated learning through interactive sessions with gadgets like Overhead Projectors, Slide Projectors and other such audio visual aids.

**Personality Development:** It's another core aspect that CFESM gives a great deal of weightage to. In this direction, the Institute offers wide opportunities and exposure for the development of physical, mental, social, emotional, spiritual and moral growth of the students.

**Guest Lectures:** Special guest lectures and workshops are arranged in the area of Meditations, Indian culture, Human values, Leadership, Lateral thinking skills and Emotional intelligence. The students are also encouraged to present seminars in order to enable them to sharpen their, comprehension and expressions skills.

**Career and Recruitment Cell:** A special recruitment cell is appointed by CFESM for taking care of the training and placement of the student after completion of the course keeping view towards job prospectus in India and Abroad. Regular interaction with experienced academicians, industrial experts keep the students abreast with the ever-changing trends of the market. The staff always extends a helping hand to the students to guide them in all the queries related to their careers.

**Sports & Athletics:** To cater the needs for student's physical development various activities at regular intervals are arranged. The students participate in many indoor and outdoor events like cricket, volleyball, table-tennis, badminton, chess etc. This gives a great experience for the students and help many of them to carve out their personality. CFESM aims to develop sportsmanship spirit in the students through such activities.

**Cultural Activities:** Another core aspect to cater the needs for student's physical & mental development, CFESM had arranged cultural activities like Ganesh Festival and Annual Day Function. These events saw many artists performing dramatically.

**Projects and Assignments:** These form an integral part of the curriculum and give student the much needed hands on training to apply their acquired skills in real life situations.







## Our International Students



**Onalepelo Baseele**



**Maliko Magawe**



**Stanley Lekoko**



**Maphorisa Lindani**



**Kelly Monageng**



**Alfred Mackson**



**Gofentseone Stellaranko**



**Thapelo Madziba**



**Arone Ranhyena**



**Ofilele Thelo**



**Sinombe Godfrey**



**Sonam Wangchuk**



**Karma Tshering**



**Chalashika Donald Chidzani**



**Gare Morgan**



**Milefi Vincent Aupa**



**Omphile Baoagi**



**Ramomene Ditiro**



**Thapelo Joseph**

## Placements



**Sayed Mojuddin**  
Al Muhaidib Contracting Ltd,  
JEDHA K.S.A, Saudi Arabia  
Safety officer



**Shiv Chandra Singh**  
Hindustan Lever  
Senior officer, Safety



**Rahul Zope**  
Deepak Fertilisers &  
Petrochemicals Corp. Ltd.,  
Navi Mumbai EHS Engineer



**Nasar Shaikh**  
Baker Hughes Drilling  
Fluids company,  
HSE officer, Kuwait



**Dipak Patil**  
Golf ofshore Bombay high  
Merchant Navy



**Jayashri Salunke**  
Sterite, Aurangabad  
QC - Safety Supervisor



**Sopan Deshmukh**  
Qatar Engineering &  
Construction,  
Doha (UAE)



**Pranav Bhandari**  
Arabian Ind. Manufacturing LLC,  
HSE Advisor, OMAN



**Adhav Amol Maruti**  
Manitowoc, Pune  
Safety manager



**Nooral Huda**  
Bureau Veritas  
Safety Supervisor



**Sudharshan R L & T, Ltd Chennai**  
Safety Manager



**Dhiraj Jain**  
Graves Cotton, Aurangabad  
Asst. Manager Safety



**Lende Ramdas**  
Mahindra, Nagpur  
Safety officer



**J.Dinesh**  
Kakrapar Atomic Power  
Plant - EHS Engineer



**Randhir Dhage**  
Essar Projects Ltd,  
DGM. HES



**Harshal Wankhede**  
L G Electronics, Pune  
Safety Supervisor



**M D Tausif**  
Capacite Infraprojects  
Asst. Officer Safety



**Khan Asar Moin**  
VCS Quality Services  
Safety Engineer



**Edarapalli Varma**  
L&T Construction Ltd,  
Gujarat HSE officer



**Sullere Shashank**  
AMRT India PVT. LTD,  
A'bad. Executive



**Aniket Udavant**  
Sterlite Technologies Ltd,  
A'bad. Process Associate



**Jitendra Vikas Konkar**  
Transocean Offshore  
Mumbai QHSE



**Kuhile Rajendra**  
21st century Enviro  
Safety officer



**Chatane Nikhil**  
Working on EIA  
projects



**Chaudhari Tushar**  
K.S.P.G. Automotive  
ETP & STP Process



**Vishal Kurhe**  
KSPG Automotive  
ETP & STP Process



**Ashruba Doiphode**  
Zensar Campus Kharadi  
Pune



**Sukumar Kondra**  
Ultratech Cements  
Karnataka Safety Officer



**Shubham Korde**  
Endurance Aurangbad  
Quality Inprocess Engg.



**Pawar Ganesh**  
Lupin



**Nagargoje Ramhari**  
Mantra Properties  
Safety Officer



**Anurag Singh**  
Land T Hydrocarbon  
Safety Officer



**Dattatray Ranganath Dagade**  
Shree Vinay Engg.  
E T P Supervisor



**Vishnu Kumar Dixit**  
Vijay Tanks & Vessels  
Safety Manager



**Ajeet Kumar**  
Suyojit Group, Nashik  
Sr. Safety Engineer



**Pradeep Waghmare**  
Tarapur Thermal  
Power Station





**Ashish Patil**  
Mercedes Pune  
Fire & Safety Supervisor



**Manuj Phukan**  
BPCL Assam  
Safety Officer



**Debajit Dutta**  
BPCL Assam  
Fireman



**Lalit Nehete**  
Mumbai Metro  
Safety Supervisor



**Hemant Zope**  
Ordnance Factory,  
Varanagon



**Sushil Waykole**  
Mahindra  
Fire & Safety Supervisor



**Vitthal Pandit**  
Thermax Pune  
Fireman



**Sachin Hazare**  
Tata Motors, Pune  
Fireman



**Sachin Kachare**  
Thermax, Pune  
Fireman



**Rupesh Shewale**  
Gannon Dunkerley Co. Ltd.  
Mumbai



**Bhawnesh Kumar**  
Radisson  
Five Star Hotel



**Vijay Patil**  
Gannon Dunkerley Co. Ltd.  
Mumbai



**Sushil Margi**  
Rajdeep Construction  
Pune - Safety Officer



**Sunil Kumar**  
Radisson  
Five Star Hotel



**Dagade Dattaray**  
TATA Batteries  
Supervisor



**Jagdish Katarnavare**  
Jr. Works Manager/RSO  
Ammunition Factory, Pune



**Milind Patil**  
Ispat Group of Ind.



**Harshal Wankhede**  
LG Electronics Pune  
Safety Supervisor



**Mahesh Kadam**  
Keshi Retail Pvt Ltd.



**Nilesh Yadav**  
GCPTCL



**Swagat Banwar**  
Endurance Aurangbad  
Quality Inprocess Engg.



**Rajendra Sing**  
L & T Group



**Amit Raut**  
ONGC Mumbai



**D R Lande**  
Everest Kanto Cylinder Ltd.



**Nemi Chand Saini**  
RICO



**Prasad Sambarskar**  
Safety Officer - Thane



**Lavendra Shivthare**  
MSEB - Talsande



**Nilesh Mhatre**  
Ispat Group of Ind.



**Ajay Ramdas Jamdale**  
Endurance Aurangbad  
Quality Inprocess Engg.



**Shahbaz Ahmed Usmani**  
Alforasen Dubai



**Shaikh Arif Asif**  
Mphays



**Akshay Changediya**  
Master Fire Pune



**Rajendra Sing Chouhan**  
L & T Group



**Jitendra Patil**  
ONGC



**Vishal Shatalwar**  
Marvelli Constr. Banglore,  
Sr. Engg Safety



**Manish Sondkar**  
Mcmob India



**Priyank Saraswat**  
Gannon Dunkerley Co. Ltd.  
Mumbai



**Yogesh Gaikwad**  
Mahendra ACE



**Kamlesh Suryawanshi**  
Master Fire Pune



**Vijay Tekawade**  
Safety Supervisor  
L & T



**Dhirajdeep Goyary**  
Gannon Dunkerley Co. Ltd.  
Mumbai



**Jepulin Das**  
GCPTCL



**Chandrakant Yawale**  
Gannon Dunkerley Co. Ltd.  
Mumbai



**Nishant Patil**  
Deepak Fertiliser Ltd.  
Panvel



**Janardhan Tayde**  
Badve Engineering



**Sharad Dhage**  
Lupin Pharma  
Sr. EHS Executive



**Harshal B. Patil**  
Advitya Projects I Pvt Ltd  
Baner Pune  
Head of Dpt, EHS



**Ekhar Sachin**  
Hindalco Almix Aerospace  
Ltd, Aurangabad  
Asst. Manager Safety & Operation



**Doke Shivaji Sitaram**  
KEC International,  
Aurangabad  
Safety Manager



**Narendra Kanjaria**  
Piramal Glass Ltd,  
Bharuch Deputy Manager,  
Safety & Health



**Sayyed Manjur**  
Millennium Eng & Contrcto,  
Pune Safety Officer



**Prakash Patil**  
Foundation Brakes  
Jaigaon  
Safety officer



**Pankaj Barbind**  
Ajanta Pharma,  
Aurangabad  
Safety Officer



**Idi Amin**  
VCS Quality Services, Delhi  
Safety Engineer



**Sandeep Potekar**  
Mahindra & Mahindra, Pune



**Hasan Shaikh**  
Rohan Builder, Pune  
Safety Supervisor



**Bhushan Ahire**  
Carli Pack India,  
Aurangabad  
Safety Officer



**Raju Kamble**  
Prozone Mall, Aurangabad  
Security Officer



**Sayed Ali**  
L & T, Gujarat  
Fireman



**Fayyaz Shaikh**  
L & T, Gujarat  
Fireman



**Hussain Ahmed Siddiqui**  
Asst. Manager EHS project  
Pratibha Industries Ltd, Delhi



**Amian Jyoti Gogoi**  
ONGC Assam  
Fire man



**Pankaj Das**  
BPCL Assam  
Fireman





## Other Services Offered

### **Fire Safety Audit :**

We conduct Fire Safety Audits for Various Industries, High Rise Buildings etc.. as per National Building Code of India, 2005, and other relevant safety standards to identify all hazards for taking corrective & preventive actions. We also help you to prepare emergency plans for fire safety and conduct mock drills. Fire Safety Audit is an integral & essential part of loss prevention strategy. The objectives of the Fire Safety Audit are to look after the safety, health & welfare of employees in the industry, to maintain the high standards of safe operation and to".

### **Fire Safety Training :**

The actions of employees if there is a fire are likely to be crucial to their safety and that of other people in the premises. All employees should receive basic fire safety induction training and attend refresher sessions at pre-determined intervals. CFESM conducts customized training considering the specific risk of fire at client's unit. Our training programs are designed in such a way that the contents are easily understood by all who are attending the training. Apart from practical demonstration of fire and proper ways to extinguish it, Our training also includes the role that employees will be expected to play if a fire occurs."

### **Third Party Safety Audit :**

CFESM conducts third party safety audits, generate a report that identifies any corrective actions required, and then indicate facility safety solutions based on "Best Practices". Our customized methodology has been designed to deliver findings and measures which truly proves to be a value-addition to client's HSE systems and has proved us the most reliable consultants for Third Party Safety Audits."

### **Process Safety Audit :**

- Consultant of Fire Hydrant-Courtyard, Wet-Riser – Down-Comer system, Sprinklers system, Fire Alarm & Detection Systems
- Dealing of Fire Fighting- Hydrants / Safety Equipment's like Fire Extinguishers, safety products etc.
- Distributor, Service Provider and Supplier of Fire Fighting Equipment, Gas Flooding System, Water Spray System, Body Protection Accessories, Sign Boards, First Aid Consumables and Display Signs, Safety Equipments, all types of Fire Extinguishers, Fire System Accessories etc.
- Installation Services of all Fire Fighting and Safety equipments.





## Rules and Regulations



Hostel is not compulsory but once opted, stay at hostel for a period of one year is compulsory. Hostel allotment will be done by the College on first come - first serve basis and no request for shifting from one hostel to another will be entertained for one year.

The personal belongings / valuables of the student, either in the hostel or in the College's campus should be safeguarded by the student only. College will not be responsible for the loss or damage caused to them.

At the time of taking admission and during subsequent academic semesters each and every student would be required to pay fee either by cash or DD, as per the fee schedule of the College. Late fee will attract penalty as decided by the management.

After the admission and during continuation of the semester / academic year, if any student desires to leave the College for any reason then the student shall forgo the complete fee (along with admission fee and allied charges) deposited by him/her with the College. It is also mandatory for the student to pay all his/her fee/installment(s) as per CFESM's fee structure

The number of seats and courses are designed according to the training / coaching facilities available. Admission to the specific course / discipline shall be granted strictly as per the norms and rules of the management committee which shall be final & binding on all concerned.

The management reserves the right to revise the syllabus, College timings or course duration, if found necessary.

The original Certificates / Documents will remain with the College till the completion of the course or till the withdrawal formalities have been completed.

70% attendance is compulsory irrespective of theory and practicals, in all subjects to become eligible for appearing in examinations.

Any matter not governed by the rules and regulation given in this prospectus, shall be suitably framed by the management as and when need arises which shall be binding on all concerned with retrospective effect.

In this brochure indicates Advance Diploma In Industrial Safety / Diploma in Fire Service Engineering or the matter allied to it.

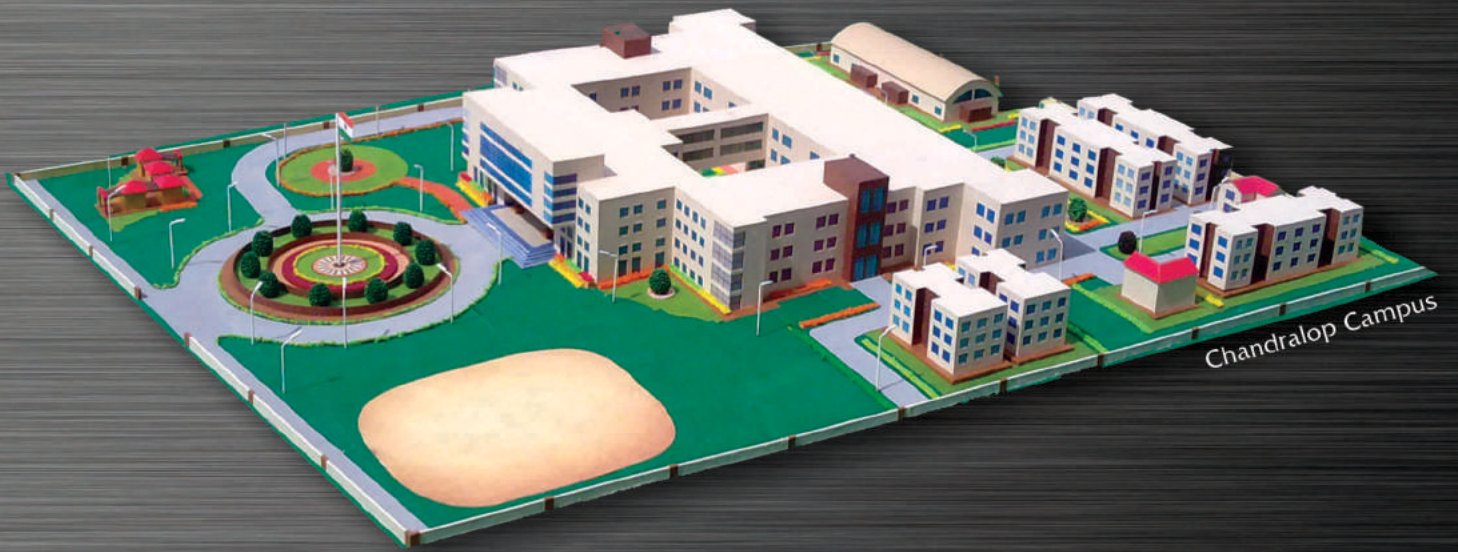
All disputes are subject to Aurangabad Jurisdiction.

CFESM does not Guarantee Jobs

Fees once paid will not be refunded for any reason in any condition.







**Head Office : N-7, Opp. Garware Ltd, Jalgaon Road, Aurangabad - 431 003 (MS)  
Website: [www.fireengg.in](http://www.fireengg.in)**

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Ph. : 020 - 25380004, M. 9923388555, E-Mail : [cfesm.pune@gmail.com](mailto:cfesm.pune@gmail.com)**