

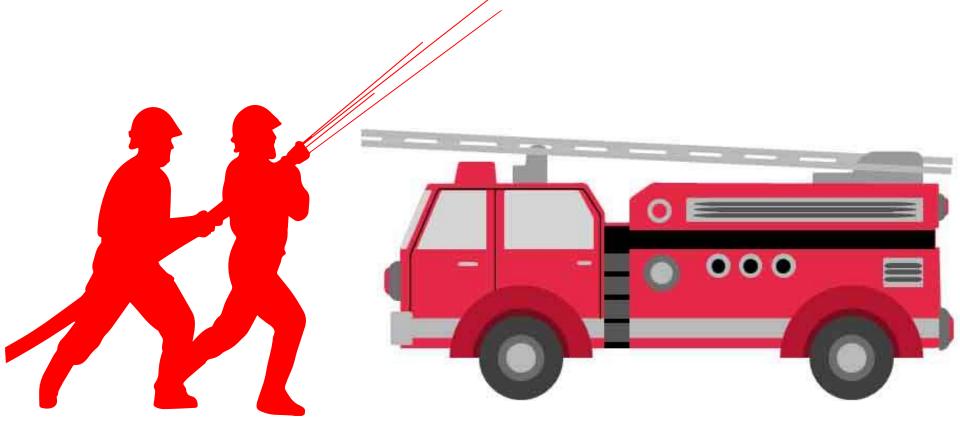
WE WELCOME YOU ALL

MR. RUPAM KUMAR GOGOI SURAKSHA INDIA INSTITUTE OF FIRE & SAFETY

Introduction

to a Career in Fire Safety

Protecting Lives and Property





Welcome
to
the world
of
FIRE SAFETY! ""

Purpose:

Explores the rewarding career opportunities in fire safety.

What is Fire Safety?

Fire safety refers to the set of practices and measures taken to prevent the outbreak of fires and to minimize the damage and risks associated with fires when they do occur. It involves designing, implementing, and maintaining systems and procedures to protect people and property from fire-related hazards.

Fire safety encompasses a wide range of activities and considerations, including:

- **1.Fire Prevention**: Taking steps to eliminate or minimize fire hazards and risks. This includes proper storage and handling of flammable materials, regular maintenance of electrical systems, and the promotion of fire-safe behaviors and practices.
- **2.Fire Protection Systems**: Installing and maintaining fire detection and suppression systems such as fire alarms, sprinkler systems, fire extinguishers, and smoke detectors. These systems help detect fires early and provide timely responses to mitigate their impact.
- **3.Emergency Planning**: Developing and implementing emergency plans and procedures to ensure an organized and effective response in case of a fire. This includes establishing evacuation routes, conducting fire drills, and training personnel on fire safety protocols.

- **4.Fire Safety Codes and Regulations:** Adhering to local, regional, and national fire safety codes and regulations to ensure compliance and maintain a safe environment. These codes cover areas such as building construction, fire-resistant materials, occupancy limits, and evacuation requirements.
- **5.Fire Risk Assessment:** Identifying potential fire hazards and conducting risk assessments to evaluate the likelihood and potential impact of fires. This helps in implementing appropriate preventive measures and developing contingency plans.
- **6.Fire Investigation:** Determining the cause, origin, and circumstances surrounding a fire incident. Fire investigators analyze evidence and follow established protocols to identify the factors that contributed to the fire and to prevent similar incidents in the future.

Overall, fire safety aims to protect lives, minimize property damage, and promote a safe environment through proactive measures, preparedness, and effective emergency response strategies. It is a crucial aspect of ensuring the well-being of individuals, communities, and organizations.

NEED OF FIRE SAFETY EDUCATION

- Fire safety education gives us information on fire prevention system.
- Fire safety education provides the opportunity to recognize hazards and understand how to respond to emergencies.
- Fire safety education provides insight in to the process involve in managing such disaster.
- This fire safety Education helps in reducing the risks
- Fire Safety Education also teach the Science behind Fire.





Why Choose a Career in Fire Safety?

No. 1 It provides an opportunity to serve the community and protect lives and properties.

No. 2 It offers job stability and security, as fire safety is an essential service that is always in demand.

No. 3 It offers competitive salaries and benefits, including retirement plans, health insurance, and paid time off.

No. 4 It provides opportunities to Work in different sectors such as Public Service, Private Companies, Consulting firms, and many more.

No. 5 It provides opportunities for growth and advancement, such as becoming a fire chief, fire marshal or fire investigator.



DEMAND SCOPE



Safety is not an option it must be priority in everyone's life. Almost every organization has a safety department. The growing number of accidents led the government to enact and implement various acts and rules keeping the safety of workers. As a result, a flood gate of opportunities has been opened up in Nationally & Internationally



A safety or fire profession is one of the highly respected professions in the world. So students, choose a career which has both dignity and prosperity.

➤ The Fire Safety Industry is one of the biggest growing Industries in India with great potential and a promising future around the globe. As on Now Fire Fighting Industry is worth Rs. 3000 corers annually



- Every year fire safety market demand is growing and the need has increased to more than 12 lakhs professional annually in fire safety and security installation, maintenance & service engineers worldwide.
- ➤ The global demand is more when compared to available trained qualified Fire professionals. Huge number of career opportunities in the field of fire and industrial safety are available in India and abroad.



>One of the main reasons for the demand for fire safety professionals is the increase in Industrialization and construction projects. There is a growing need for fire safety professionals to ensure that these constructions are safe from fire hazards.



- ➤The demand of fire safety careers are significant due to the Govt., Industries and Organizations giving importance or prioritizing of fire safety in protecting people, property and the environment.
- Fire safety has become a critical issue for the public, and people are increasingly aware of the risks and consequences of fires. This has created a need for more education and outreach programs to promote fire safety.



Governments and regulatory bodies have implemented stringent fire safety regulations and codes that organizations must adhere to. With the increasing focus on safety and compliance, the demand for fire safety professionals has been on the rise.

Fire safety professionals are in demand across various Sectors, including:

Government agencies: Fire departments, emergency management organizations, and regulatory bodies require fire safety experts to enforce fire codes, conduct inspections, and provide guidance on fire safety measures.

Energy and utilities: Implementing fire prevention measures in power plants, refineries, and distribution networks.

Construction and engineering: Fire safety engineers are needed during the design and construction phases of buildings to ensure compliance with fire codes and implement effective fire protection systems. Ensuring fire-resistant building materials, safe design, and evacuation plans.

Industrial facilities: Manufacturing plants, warehouses, and other industrial settings require fire safety professionals to assess fire risks, develop emergency plans, and implement preventive measures.

Healthcare and educational institutions: Hospitals, universities, and schools need fire safety experts to develop evacuation plans, conduct fire drills, training staff and ensure compliance with safety regulations.

Hospitality: Ensuring fire safety protocols, training staff, and conducting fire drills.

Transportation: Ensuring fire safety in airports, railway stations, and other transit systems.

Consulting and risk assessment firms: Many organizations seek the expertise of fire safety consultants to evaluate fire risks, develop fire safety strategies, and provide training to employees.

Misc: High Rise Buildings , Shopping Malls, Offices, IT Company, Telecom, MNC Company, Ship & Marine Industry etc

Moreover Safety is big business anywhere around the globe. Safety is industry, offices, workplaces, buildings etc. which you need it everywhere. Fire fighting facilities are required in every establishments depending on nature of establishment.

Fire risk assessment: Professionals in this field evaluate buildings, facilities, or processes to identify potential fire hazards, assess risks, and recommend preventive measures to minimize fire incidents.

Fire safety engineering: Fire safety engineers use their expertise in designing and implementing fire protection systems, such as fire alarms, sprinkler systems, and fire suppression systems, to ensure buildings meet safety standards.

Code compliance: Experts in fire safety regulations help organizations comply with local, national, and international fire codes and standards. They ensure that buildings and processes adhere to safety requirements and conduct inspections to verify compliance.

Emergency planning and response: Fire safety professionals develop emergency plans, evacuation procedures, and training programs to prepare individuals and organizations for fire incidents. They may also play a role in managing emergency response operations during actual incidents.

Fire investigation: In the event of a fire, professionals skilled in fire investigation techniques analyze the causes and origins of fires to determine if any violations or criminal activities were involved. They may work with law enforcement agencies, insurance companies, or legal entities.

- ✓ Continuous professional development is essential in the field of fire safety to stay updated with new regulations, technologies, and best practices.
- ✓ Industry certifications, training programs, and advanced degrees can enhance career prospects and expertise.
- ✓ Technological advancements have revolutionized fire safety, including advanced detection systems, fire suppression technologies, and building management systems.
- ✓ Fire safety professionals need to stay abreast of these advancements to provide effective solutions.

As the importance of fire safety continues to grow, career opportunities in this field are likely to expand. Continuous advancements in technology, building materials, and fire prevention strategies also present new challenges and avenues for fire safety professionals to explore.

Responsibilities of a Fire Safety Professional

- •Conducting fire risk assessments to identify potential hazards.
- •Developing and implementing fire safety protocols and procedures.
- •Inspecting buildings and facilities for compliance with fire safety regulations.
- •Planning and conducting fire drills and training programs.
- •Investigating fire incidents to determine the cause and recommend preventive measures.
- •Responsible to implement National Building Code, Factories Act, Building and others Construction Workers Act, OHSAS 18001 / ISO 45001 / ISO 14001 and other several Fire & Safety Laws and regulations.



Skills and Qualifications Required

- •Physical Fitness and Stamina as the job can be physically demanding.
- •Strong presence of mind, ability to work under pressure
- Decision-making abilities and Leadership skills.
- Strong problem-solving and analytical skills
- •Effective teamwork and communication skills.
- The ability to priorities tasks
- •Strong knowledge of fire safety regulations, codes, standards and emergency procedures.
- •Technical Skill Knowledge of Fire fighting Equipments and Firefighting Techniques.
- •. Relevant Certifications and Training programs.



JOB OPPORTUNITIES

After completion of fire and safety courses, Candidate can apply to following job profiles.

FIREMAN

Fireman is called at the time of emergency. Their responsibility is to save lives during the fire, providing emergency services and medical assistance. Primary responder to fire incidents, rescues, and emergency situations.

Placement Sector:

Fire & Emergency Services, Govt. of Assam, NRL. ONGC, OIL, BCPL, Defence (Air force, Army, Navy), Airport, Big Industry etc

FIRE SAFETY OFFICER

They are responsible for developing and monitoring hazardous situations, provide safety measures and develop measures for public safety. Developing and implementing fire safety policies, conducting risk assessments, and ensuring compliance.

Placement Sector:

OIL Sector, NTPC, Construction Company, Big Industry etc

SAFETY CONSULTANT

They do the inspection of workplaces, design programs to enhance safety measures.

Placement Sector:

Industry, MNC, IT Company, Construction Company, Pvt. Company etc

FIRE SAFETY ENGINEER:

Designing and implementing fire safety systems in buildings. Conducting fire safety risk assessments/audit and providing recommendations. Collaborating with architects and construction teams to ensure compliance. Developing emergency response plans.

Placement Sector:

Construction Company, Pvt. Company etc

SAFETY SUPERVISOR

Safety supervisors work under the guidance of the regional safety manager, carry on the necessary steps in order to ensure the safety of staff, company and people.

Placement Sector: Railway, Big Industry etc

FIRE TRAINER / INSTRUCTOR

Providing fire safety training to individuals and organizations. Educates the public on fire prevention.

Placement Sector:

Pvt. Company, Educational Institute etc

FIRE INSPECTOR

Conducts inspections to ensure compliance with fire codes and regulations. Inspecting buildings for fire hazards. Ensuring proper installation and maintenance of fire safety systems. Collaborating with architects, engineers, and contractors to ensure fire safety during construction.

Placement Sector:

Construction Company, Govt. Office, Pvt. Company etc

FIRE INVESTIGATOR

Determining the cause and origin of fires. Collecting and analyzing evidence at fire scenes. Working closely with law enforcement agencies during investigations. Assisting in legal proceedings

Placement Sector:

Govt. Office, Pvt. Company etc

FIRE PROTECTION TECHNICIAN

Installing, testing, and maintaining fire suppression systems. Conducting inspections and routine maintenance of fire safety equipment. Responding to emergency situations to ensure the proper functioning of fire systems.

Placement Sector:

Govt. Office, Pvt. Company etc

HSE SUPERVISOR

They are responsible for the management and monitoring the activities of staff and subordinates.

Placement Sector:

Construction Industry, Big Industry, Pvt Company etc

FIRE OFFICER

The responsibility of the fire officer is to supervise all other departments of safety and assure all the rules are followed with care.

Placement Sector:

Construction Industry, Big Industry, Pvt Company etc

<u>Other Job Designation:</u> Safety Marshal, HSE Engineer, Health Assistant, Environmental Engineer, Safety Assistant, Steward, HSE Advisor Etc.

Career Progression and Advancement

Leadership positions

(Fire Chief, Fire Marshal).

Specialized roles

(Fire Investigator, Fire Safety Engineer).

Promotional opportunities

(Fire Lieutenant, Fire Captain)

Entry-level positions

(Firefighter, Fire Inspector)

CAREER OPPORTUNITIES















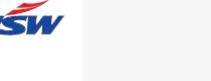
✓FIRE DEPARTMENTS: ✓INDUSTRIAL PLANTS AND MANUFACTURING FACILITIES **✓INSURANCE COMPANIES** √CONSULTING FIRMS SPECIALIZING IN FIRE SAFETY ✓EDUCATIONAL INSTITUTIONS AS INSTRUCTORS OR RESEARCHERS















ACC LIMITED





















Indian Oiltanking



APPROX SALARY RANGE

DESIGNATION	CTC
Fireman	4 to 6 lakhs
Safety Consultant	2.5 to 3.5 lakhs
Safety Officer	3.5 to 5 lakhs
HSE Supervisor	3 to 4 lakhs
Fire Officer	3 to 4.5 lakhs
Safety Supervisor	3 to 5 lakhs

ETC.....

Note: Salary Range Depends on experience and location.

Rewards and **Challenges**

Rewards:

Opportunity to save lives and protect property. Mental Satisfaction. Variety of work environments and challenges. Continuous learning and professional development. Competitive salaries and benefits.



Challenges:

High-Pressure situations and exposure to dangerous environment. Physical demands and irregular work hours.

The emotional impact of witnessing fire-related tragedies.



CONCLUSION

- A career in fire safety offers a rewarding opportunity to make a meaningful impact.
- •With the right education, training, and dedication, you can contribute to public safety and protect lives.
- •Explore the various career pathways in fire safety and be part of a NOBLE PROFESSION.

Please Feel to Call us for any Inquiries or Opportunities.

India's No. 1 Fire & Safety Engineering College

SURAKSHA INDIA INSTITUTE OF FIRE & SAFETY

ISO 9001:2015, OHSAS 18001:2007 Certified

Recognized by:

Ministry of Labour and Employment, Ministry of HRD, Ministry of MSME (Govt. of India), Council of Human Resource Education Development, UGC, AICTE, DEB & DEC

Appreciated by:

Dr. Ranoj Pegu, Education Minister (Govt. of Assam)
Mr. Bimal Borah, Industry Minister (Govt. of Assam)
Mr. Zubeen Garg, Singer, Music director, Actor, Film Producer etc



ADMISSION GOING ON

SESSION 2025-2026

Next Batch Starts From 1st JULY, 2025

JORHAT CAMPUS:

NH 37, Near Ajanta Bye Pass, Jorhat, Assam-785001

GUWAHATI OFFICE ADDRESS:

92, Dispur College Road, Opp. Shiv Mandir, Ganeshguri, Guwahati, Assam-781005

HEAD OFFICE:

A. T. Road, Near Johakhat Tini Ali, Teok, Jorhat, Assam- 785112

Phone & WhatsApp No.: 8812081810 / 9395057394

Email: surakshaindia112@gmail.com
Website: www.surakshaindia.com

Questions and Answers

ABBREVIATIONS

OHSAS : OCCUPATIONAL HEALTH AND SAFETY ASSESMENT SERIES

ISO : INTERNATIONAL STANDARD ORGANISATION

HRD : HUMAN RESOURCE DEVELOPMENT

■ MSME : MINISTRY OF MICRO, SMALL AND MEDIUM ENTERPRISE

UGC : UNIVERSITY GRANTS COMMISSION

• AICTE : ALL INDIA COUNCIL FOR TECHNICAL EDUCATION

DEB : DISTANCE EDUCATION BUREAU

DEC : DISTANCE EDUCATION COUNCIL

NRL : NUMALIGARH REFINERY LIMITED

ONGC : OIL AND NATURAL GAS CORPORATION

OIL : OIL INDIA LIMITED

■ BPCL : BHARAT PETROLEUM CORPORATION LIMITED.

NTPC : NATIONAL THERMAL POWER CORPORATION LIMITED.

THANK YOU ALL FOR ATTENTION



Design By: Rupam Kumar Gogoi