

## Environment Health And Safety Engineering



### What you Will Learn...

- Introduction of industry
- Roles of HSE offices
- Overview of international codes and standards
- Fundamentals of international codes & standards
- Fundamentals of environment, health & safety
- Overview of hazards & Risk Assessments
- Fire hazards & controls
- Overview of factory & BOCW act
- HSE policy
- Planning & implementation of health and safety
- Overview of reporting procedure
- Personal protective equipments
- Working Equipments Hazards & control
- Work at height
- Excavation work
- Mechanical handling of material & equipments
- Introduction of occupational diseases
- Types of pollutions
- About industrial hygiene
- Legal aspects of pollution laws
- Electrical safety
- Scaffolding & procedures
- Ladders
- Safety in gas cutting & welding works

**SmartBrains Oil and Energy Institute provides premium training courses for EHS industry executives and fresh engineering graduates. Our success and distinguished reputation is thanks to our commitment to provide first-class programmes to our clients. Combining leading professionals from across the industry as lecturers and an interactive, practical format, the lessons learnt in a SmartBrains for EHS course are directly transferable back to the work place.**

## **Our Strategic Objectives**

**To be recognized by industry and employers as a highly reputable training organization. Provide dynamic leadership, sound management and excellence in training. Continue to improve our services through quality management processes. Invest in and value our people through professional development activities. Grow our business through innovation and to continue to be financially secure. Be influential in the economic development of the industries we serve nation wise**

## **Our Mission**

**“ To provide quality training and assessment services and to prepare our students for a fulfilling professional career in their chosen industry. We are committed to upholding our values of providing excellence in training ”**

## **Course Structure**



**“Smartbrains given me a good base on detail/Design for Piping Shavini Engineering I got the chance to work with tehcnip”**

**Sanjeev Kumar  
Technip,Noida**

## **Fundamentals of Health & Safety**

- ❖ The scope and nature of health and safety
- ❖ The moral , social and economic reason for maintaining and promoting good standards of health & safety in workplace
- ❖ Factory act 1948 and BOCW act
- ❖ Chemical, and biological health hazards
- ❖ Principle, hazards and risk associated with the use of electricity in the workplace
- ❖ Machinery hazards and control measure
- ❖ Manual handling hazards, risk and control measure
- ❖ Accident investigation and reporting procedure
- ❖ Risk in hot works execution
- ❖ Pneumatic tools, safety in uses
- ❖ Scaffolding important definition , scaffolding duty
- ❖ Statutory requirement for scaffolding and ladders
- ❖ Scaffolding defects
- ❖ Safe uses of ladders
- ❖ Safety in mobile equipments-crane operations, fork-lift truck
- ❖ Soil, water and air pollution – classification
- ❖ Sources and engineering methods in control of various pollutant
- ❖ Sources of noise and vibration in industries and control measures
- ❖ Care of eyes, nose throat and skin related ailments and their treatment
- ❖ Legal aspects of industrial health monitoring
- ❖ Occupational diseases and industrial hygiene
- ❖ Principle of first aid- first aid for common ailments on site injuries
- ❖ Safety audit and procedure
- ❖ Types of fire and extinguishers
- ❖ Selection of personnel protective equipment and their uses
- ❖ Duties of EHS office
- ❖ Reporting procedure under various laws

# Why

## SmartBrains?

SmartBrains is the ultimate choice for all the working & non working engineer's in EHS training requirements. Our extensive portfolio of EHS training courses are :

- 100% focused on the EHS industry.
- Guided by the industry's renowned professionals with unprecedented knowledge of the EHS industry.
- Highly interactive program with practical and relevant case studies.

- Training by extensively researched self developed cutting edge techniques.
- Skill Development techniques with comprehensive set of documentation, practical skill and tools used in the industry
- The perfect opportunity to develop network and experience with knowledge sharing.
- one of the finest international faculty.
- Interactive, interesting and motivation training sessions.
- Access to enormous reference book and research materials



## BSS Diploma promoted by Government of India

- ❖ BSS DIPLOMA IN FIRE & SAFETY
- ❖ BSS DIPLOMA IN INDUSTRIAL SAFETY
- ❖ BSS DIPLOMA IN ELECTRICAL SAFETY
- ❖ BSS DIPLOMA IN OFF SHORE SAFETY
- ❖ BSS DIPLOMA IN CONSTRUCTION SAFETY
- ❖ BSS DIPLOMA IN ENVIRONMENTAL SAFETY
- ❖ BSS DIPLOMA IN FIRE & SAFETY ENGINEERING TECHNIQUES
- ❖ CERTIFICATE IN FIRE & SAFETY ENGINEERING TECHNIQUES
- ❖ POST DIPLOMA FIRE & SAFETY ENGINEERING TECHNIQUES

### Qualification

10+2, Graduation,  
Polytechnic, B.tech

## Advantage of the Certificate:

Widely Accepted & Recognized by many Foreign Countries , Attested by Indian Consulate , Gulf Countries , Western European Countries . Certificate Verification will be Available through their Website Itself. You can register this certificate in employment exchange also.

**100% job Assistant**



## Admission Requirements

- ❖ Duly Filled Application Form
- ❖ 2 Photographs
- ❖ Photo State of Qualifying Examination
- ❖ Address Proof
- ❖ I.D. Proof
- ❖ Latest Resume

## Declaration

- ❖ This training program is approved and promoted by Gov of India.
- ❖ Exam will be conducted as per government rules & regulation
- ❖ Certificate will be issued by Gov. of India
- ❖ SmartBrains has right to expel any student at any time for misbehavior, poor attendance without refunding the fees.
- ❖ Certification will be issued only after completion of course, submission of all assignments and passing all the examinations.

## Opportunity

Safety Officer, EHS Officer, Safety Engineer, Environmental Engineer, Safety Inspector in MNCs with handsome salary package.



Oil & Energy

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