

Process Safety is Critical !

Process Safety Training Programmes

2023-24



www.cibatech.com



Expert Process Safety Training
to Support Your Plant Safety

Process Safety Training Programmes



Welcome to our process safety training programmes!

The chemical industry involves the use of potentially hazardous materials and processes, and without proper training, employees may not be aware of the risks or know how to properly handle and respond to emergency situations.

Training on process safety plays a key role in ensuring the safety of your facility, employees, the community and the environment. It also helping organizations to comply with regulations and maintain a safe and productive work environment.

Adequate knowledge and training on process safety can help employees to identify and assess hazards, understand emergency procedures, and use safety equipment correctly. This can reduce the likelihood of accidents, and help mitigate the impact of any incidents that do occur.

GVS Cibatech is India's only One Stop Shop for all your Process Safety needs. We have a NABL accredited laboratory, we provide consultancy and we have a suite of training programs on Process Safety. Some of India's leading PS practitioners with years' of experience and knowledge on Process Safety are a part of our team.

This brochure will provide you with the information you need to understand our training offerings. The brochure details how our programs will give you the knowledge of the hazards associated with your operations, and the measures you must take for the safe operations of your facility and protecting your employees and the community.

We hope that this brochure will serve as a valuable resource as you learn about and comply with safety policies and procedures.

➔ Our Open House Training Programs

We hold Open House Training programs in various cities in India. Our programs are held in well-known and conveniently located Hotels where the food and hospitality is of high standard and have excellent conference facilities. Should you wish to stay in the hotel they also provide top class accommodation.

Our training programs are interactive and we use examples from industry as well as case studies from our consulting and testing portfolio.

An Open House Programme has the advantage of having an audience from various industries and therefore the exchange of experience from different industries adds to a greater interchange of knowledge.

➔ Our In-House Training Programs

The In-House training programs we offer are tailor-made for your requirement. They will cater to your industry and the chosen audience. Ahead of the program, we will discuss with you your specific needs and establish clear targets and the skills that you wish your team to develop by the end of the program.

While you may choose a program from our existing list, it is also possible for us to modify our program or design a program that suits your specific needs.

Expert Process Safety Training to Support Your Plant Safety



➔ Our Open House Training Programs 2023-24

Programme	Location	Duration	Date	Fees/participant (including GST)
Risk Management	Mumbai	1-day	19 th May	14,200
	Vadodara	1-day	29 th September	14,200
	Mumbai	1-day	22 nd December	14,200
HAZOP	Mumbai	2-days	13 th & 14 th June	26,000
	Hyderabad	2-days	10 th & 11 th Aug	26,000
	Mumbai	2-days	15 th & 16 th Feb'2024	26,000
Hazardous Area Classification (HAC)	Vadodara	1-day	24 th March	14,200
	Hyderabad	1-day	7 th July	14,200
	Mumbai	1-day	19 th June	14,200
SIL & LOPA	Mumbai	1-day	22 nd Sept	14,200
Dust Explosion Hazards	Mumbai	1-day	14 th July	14,200
	Hyderabad	1-day	9 th June	14,200
Electrical Safety Audit	Mumbai	2-days	5 th & 6 th Oct	26,000
	Mumbai	2-days	12 th & 13 th Jan'2024	26,000
Chemical Reaction Hazards	Mumbai	1-day	18 th Aug	14,200
	Vadodara	1-day	22 nd July	14,200
	Goa	1-day	22 nd Sept	14,200
	Mumbai	1-day	12 th Jan'2024	14,200
Vent Design	Mumbai	3-days	21 st to 23 rd June	59,000
Process Safety Management	Hyderabad	2-days	23 rd & 24 th Feb'2024	26,000

➤ Course: RISK MANAGEMENT

Duration: 1 day

Venue	Date	Fee/candidate (incl GST)
Mumbai	19 th May	Rs 14,200
Vadodara	29 th September	Rs 14,200
Mumbai	22 nd December	Rs 14,200



Event Summary

Risk management is the identification and evaluation of threats, hazards or other exposures that an organisation is exposed to. To assess threats in industry several well-established techniques are used. The techniques are both qualitative as well as quantitative. Qualitative techniques include Hazard Identification (HAZID) and Hazard and Operability (HAZOP) studies, both of which rely on expertise and judgement of the person making the assessment. Quantitative assessments include Quantitative Risk Analysis (QRA), Safety Integrity Levels (SIL) and LOPA (Layers of Protection Analysis). A risk assessment

typically provides the basis on which management can take decisions on risk reduction and mitigation.

Why should you participate?

This course will introduce you to the theory and basic concepts of 'Risk Management' and how one can use the various techniques to improve safety in the workplace. After attending this course participant will become empowered to participate effectively in safety studies. The teaching will be a combination of theory, films, presentations, case studies and problem solving exercises.

➤ Course: HAZOP

Duration: 1 day

Venue	Date	Fee/candidate (incl GST)
Mumbai	15 th & 16 th June	Rs 26,000
Hyderabad	10 th & 11 th August	Rs 26,000
Mumbai	15 th & 16 th Feb'2024	Rs 26,000



Event Summary

A HAZOP is the most effective way to identify Hazards and recommend the steps to ensure that all the identified hazards have been addressed. In the HAZOP the consequence of each credible deviation in a process is evaluated and safeguards are assessed.

Why should you participate?

This intensive one day program will coach the attendees on how to prepare for a HAZOP, how to be an effective participant and also what is needed to lead HAZOP studies.

➔ Course: HAZARDOUS AREA CLASSIFICATION (HAC)

Duration: 1 day

Venue	Date	Fee/candidate (incl GST)
Vadodara	30 th June	Rs 14,200
Hyderabad	7 th July	Rs 14,200
Mumbai	19 th Jan'2024	Rs 14,200



Event Summary

An HAC study has to be carried out as a part of Risk Assessment. It enables organisations to identify places where special precautions are required to prevent electrical devices from causing fire or ignition. Many gases, vapours and dusts can form flammable (explosive) atmospheres when mixed in appropriate concentrations with air. A HAC study will enable management to take appropriate precautions and warn employees and others of the dangers of fire and ignition.

Why should you participate?

This course will give the participants comprehensive knowledge of 'Hazardous Area Classification' and after attending the course participants will be empowered to conduct HAC studies independently. The teaching will be a combination of theory, presentations, case studies and problem solving exercises.

➔ Course: SIL & LOPA

Duration: 1 day

Venue	Date	Fee/candidate (incl GST)
Mumbai	22 nd Sept	Rs 14,200



Event Summary

A Safety Integrity Level (SIL) measures the relative level of risk-reduction provided by a safety function. SIL is a measure of performance required for a Safety Instrumented System (SIS).

Layers of Protection Analysis (LOPA) is a PHA tool that determines the number of safeguards needed to safeguard or mitigate a chemical process event. It also enables the determination of the integrity level that should be chosen for a Safety Instrumented System.

Why should you participate?

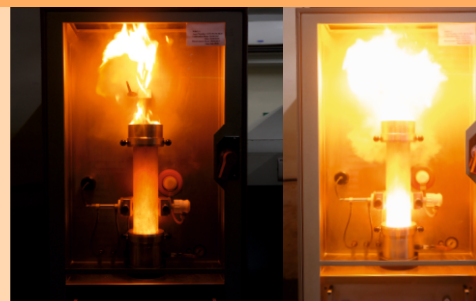
The SIL assessment course will coach attendees on how a facility/system should be assessed and graded according to different classifications. It will also teach the attendees the process for determining if additional measures are required (in light of the criticality of a system) or it conforms to the stipulated level of safety.

In the LOPA assessment attendees will be taught how to assess the adequacy of the various safety protection layers or safeguards that are in place and the adequacy of Safety Instrumented protective system designed into process system.

➤ Course: DUST EXPLOSION HAZARDS (DEH)

Duration: 1 day

Venue	Date	Fee/candidate (incl GST)
Mumbai	14 th July	Rs 14,200
Hyderabad	9 th June	Rs 14,200



Event Summary

This course will introduce candidates to the hazards of dust explosion and the dangers that it poses in the day to day of operations in any chemical plant. We will elaborate on how powders should be handled safely with specific emphasis on drying & milling operations. The participant will also learn about the various explosion protection & prevention techniques.

Why should you participate?

At the end of this one-day competency development program, candidates will understand the various hazards posed by dust and static electricity, and the techniques to prevent them. It will also teach the candidates what tests are essential to develop a basis of safety to prevent the hazards of dust explosion.

➤ Course: ELECTRICAL SAFETY AUDIT

Duration: 2 days

Venue	Date	Fee/candidate (incl GST)
Mumbai	5 th & 6 th October	Rs 26,000
Mumbai	12 th & 13 th Jan'2024	Rs 26,000



Event Summary

More than 45 per cent of reported fire accidents are traced to electrical problems. Electrical safety is an important issue in industrial installations and requires serious attention. Electrical safety is a well-legislated subject and the various Acts and Regulations enacted stress on the responsibility of both employers and employees in ensuring safe working conditions. An Electrical Safety Audit is a key to ensure electrical systems are safe as it identifies weaknesses in electricity use and provides a plan for corrective action. A well-conducted audit will assist management in reducing electrical

hazards and formulating Emergency Preparedness Plan.

Why should you participate?

The course will enable the participants to know about the Why, When & How of Electrical Safety Audit. This course is expected to raise the level of competence and electrical safety awareness within the company and provide specific guidance to those who must implement and follow procedures. The course will have an emphasis on the theoretical as well as the practical and statutory issues.

➤ Course: CHEMICAL REACTION HAZARDS

Duration: 1 day

Venue	Date	Fee/candidate (incl GST)
Mumbai	18 th August	Rs 14,200
Vadodara	22 nd July	Rs 14,200
Goa	22 th Sept	Rs 14,200
Mumbai	12 th Jan'2024	Rs 14,200



Event Summary

Chemical reaction hazards lead to major and often fatal incidents in the chemical industry. These incidents lead to accidents, injuries, deaths, property damage and business interruptions to the plant. GVS Cibatech has developed this special one-day course on the root cause of these accidents and the precautions that need to be taken to prevent such events.

Why should you participate?

The course will teach attendees how to assess chemical reactivity through:

- Use of Chemical Engineering principles to study the potential runaway reactions for storage and reactor risk assessments
- Small-scale studies
- Performing risk analysis of chemical processes
- Development of inherently safer processes

➤ Course: FUNDAMENTALS OF RELIEF SYSTEM DESIGNS (VENT DESIGN)

Duration: 3 days

Venue	Date	Fee/candidate (incl GST)
Mumbai	21 st to 23 rd June	Rs 59,000



Event Summary

Sizing of Relief Systems is extremely demanding. Emergency Relief Vent Sizing is done using methods generated from the DiERS (Design Institute of Emergency Relief Systems) project. In addition, there are a number of industry codes, standards and recommended practices that provide guidance in the sizing, selection and installation of relief devices and systems.

This three-day competency development program chaired by Mr. Rahul Raman and Mr Vijay Bhujle provides attendees the opportunity for a face-to-face training on Relief System Design Fundamentals. Mr Raman is a Senior AIChE Member who has actively participated and contributed in DiERS User Group meetings.

Why should you participate?

Kaypear Engineering and GVS Cibatech bring this competency development program to you jointly. Kaypear's technical stewardship, expertise in Relief System Design, and GVS Cibatech's expertise in Process Testing will ensure a successful training program for staff engineers who are performing relief system design.

The attendees will understand the recognized best practices of Relief System Design Training from API 520 Part I, API 520 Part II, API 521, and DiERS methodology. The outcome of the training will be for attendees to perform single phase, non-flashing, and non-reactive relief system design.

➔ Course: PROCESS SAFETY MANAGEMENT

Duration: 2 days

Venue	Date	Fee/candidate (incl GST)
Hyderabad	23 rd & 24 th Feb'2024	Rs 26,000



Event Summary

This competency development workshop introduces the elements of the Process Safety Management and discusses the advance skills, techniques, and tools of auditing, and the characteristics of a good PSM system. This 2-day program will cover all the elements of the PSM-OSHA standard and will include:

- Employee Participation
- Process Safety Information
- Process Hazard Analysis
- Operating Procedures
- Training
- Contractors
- Pre Start Up Safety Review (PSSR)
- Mechanical Integrity
- Hot Work Permits
- Management of Change
- Incident Investigation
- Emergency Planning and Response
- Compliance Audit
- Trade Secrets

Why should you participate?

Whether your company is large or small, whether you are experienced with auditing or just developing a system, consistent use of the techniques presented can significantly improve your audit and your process safety management.

Participants will be able to apply various evaluation methods for hazard prevention and control of process with emphasis on various process hazard analysis methodologies. Additionally, this project attempts to increase involvement in and participation with facility safety efforts.

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2023-24

Payments:

Payments may be made online to our Bank Account as detailed below:

Bank Name: ICICI Bank
Branch: Bhandup (W)
A/C No: 098405001381
IFSC Code: ICIC0000984

Alternatively Cheques may be made out in the name of
“GVS Cibatech Pvt Ltd.”

REGISTRATION FORM

Please book me for:

Enclosed herewith Cheque / DD in favour of **‘GVS Cibatech Pvt Ltd.’**

for Rs. _____ Dated _____ Drawn on _____

Name of the Participant(s) Dr./Mr./ Ms.: _____

Designation/ Job Title: _____

Company Name: _____

Address : _____

Pin Code: _____ Country : _____

Mobile : _____ Email : _____

Signature: _____ Date : _____

For More Details Contact:

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GVS Cibatech Pvt. Ltd.

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