



COURSE SCHEDULE



1. CARRYING OUT A SUCCESSFUL PROCESS SAFETY AUDIT/ASSESSMENT:

Dates: 3rd to 24th December 2020 | 4 sessions | Duration: 3 hours



Identifying latent failures, performance degradations, and abnormal conditions in process systems requires a special set of skill sets quite different from occupational safety.

Following traditional approaches in carrying out process safety audits invariably degenerate into identifying workplace safety/PPE's and documentation reviews. In this course you will learn on how to successfully carry out internal and cross functional audits of your facilities with regards to process safety & asset integrity

Who Should Attend: Junior to mid-level management and technical professionals

What will participants learn?

- Fundamentals of a Process Safety and Asset integrity audit
- Developing the Basic framework/protocol for a process safety & operations integrity audit
- Barrier Based approach for Auditing
- Performance Verification of barriers
- Common Mistakes - What not to do/not to focus on

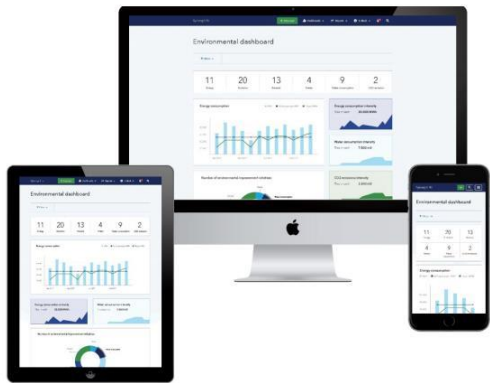
Trainers: Nandakishore Varma and Proteep Ghosh

Course Commercials

Fees:	INR 100,000/- per company, limited to 6 participants only
Dates:	3 rd , 10 th , 17 th and 24 th December 2020 (2.00 p.m. to 5.00 p.m.)
Early Bird Discount:	10%, applicable till 27 November 2020
Individual Fees:	INR 30,000/- per individual registration

2. DEVELOPING DASHBOARDS FOR PROCESS RISK PERFORMANCE MONITORING

Dates: 7th to 28th January 2021 | 4 sessions | Duration: 3 hours



For effective operations integrity, it is imperative that leadership has complete line of sight on the condition of all the process and asset risks and the effectiveness of the safety management and mechanical integrity programs.

Leaders need to have pulse on which deviations are getting normalized, which areas are losing a sense of vulnerability, to ensure appropriate and adequate intervention before escalating to an accident or a disaster. A quantifiable dashboard can enable them to manage operations integrity more effectively and efficiently.

Who Should Attend: Senior Management and Leadership

What will participants learn?

- Understand how process safety and asset integrity should be tracked and measured in dashboards for monitoring and evaluation
- Designing metrics for prioritizing actions and tasks at the Strategic, operational and tactical levels
- Using leading indicators to drive performance in operations integrity
- Incorporate API 754 and UK HSG 254 in developing Lead-Lag Key performance indicators
- Using barrier-based approach to fine tune performance measurement and get visual feedback on the current performance levels of the facility

Trainers: Dr S. Ganeshan, Nandakishore Varma and Proteep Ghosh

Course Commercials

Fees:

INR 200,000/- per company, limited to 6 participants only

Dates:

7th, 14th, 21st and 28th January 2021 (2.00 p.m. to 5.00 p.m.)

Early Bird Discount:

10%, applicable till 1st January 2021

Individual Fees:

INR 60,000/- per individual registration

3. IMPROVING OPERATIONAL INTEGRITY BY DE- RISKING SOPs

Dates: 4th to 25th February 2021 | 4 sessions | Duration: 3 hours



As one of the key components in any process operation, operating procedures are critical in encapsulating the recommended actions and critical steps for safe and reliable operations.

However, inadequate and ineffective operational procedures can be a significant contributor to accidents, plant trips, off spec product, and manual by-passes. Good procedures ensure consistency of operations, and reliability of production.

Who Should Attend: Junior to mid-level management and technical professionals

What will participants learn?

- Role of Safe operating procedures in Operations Integrity
- Causes for Deviations & Non-Compliances with SOP's
- Test proofing SOP's through Procedures HAZOP and TO – HAZOP for PSSR (Pre-start up safety review)
- Writing/Review effective Operational Procedures through a Safety critical Task based analysis
- Increasing the usability, clarity and effectiveness of SOP's

Trainers: Nandakishore Varma and Proteep Ghosh

Course Commercials

Fees:

INR 100,000/- per company, limited to 6 participants only

Dates:

4th , 11th ,18th and 25th February 2021 (2:00 pm to 5:00 pm)

Early Bird Discount:

10%, applicable till 29th January 2021

Individual Fees:

INR 30,000/- per individual registration

4. OPERATIONAL EXCELLENCE – RELIABILITY BASED DECISION SUPPORT TO IMPROVE PROFITABILITY

Dates: 4th to 25th March 2021 | 4 sessions | Duration: 3 hours



RAM Studies are used as a way of assessing a production system's capabilities, both in operation and those still in the design phase.

As facilities and plants are being used for longer period, a reliability, availability and maintainability study can provide an assessment into the assets lifetime capabilities and enable businesses to maximize on their return on investment.

Who Should Attend: Senior Management and Leadership

What will participants learn?

Using reliability-based decision support will allow leadership and senior management to:

- A reduction in the maintenance and sparring costs, while maintaining and / or increasing production levels;
- A decrease in the duration of any unplanned and planned downtime, and turnaround time;
- Accurate forecasts of equipment lifecycle costs that reflect the equipment age, duty cycle and maintenance effectiveness;
- Alignment of maintenance resources based on the criticality of equipment to production revenue.
- Ability to generate quality maintenance plans, master data cost and optimize inspection management
- Need to accurately forecast availability and/or capacity given the equipment selected and maintenance plans deployed

Trainers: Dr S. Ganeshan, Nandakishore Varma and Nagmani Sinha

Course Commercials

Fees:

INR 200,000/- per company, limited to 6 participants only

Dates:

4th , 11th ,18th and 25th March 2021(2:00 pm to 5:00 pm)

Early Bird Discount:

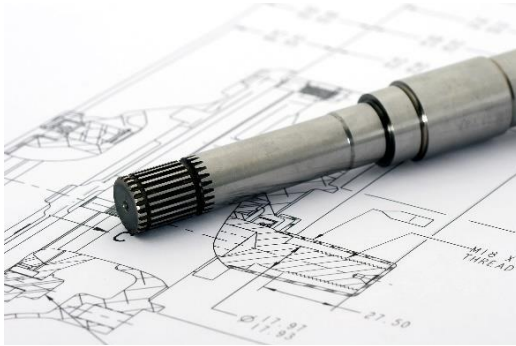
10%, applicable till 26th February 2021

Individual Fees:

INR 60,000/- per individual registration

5. SAFETY AND RISK MANAGEMENT IN ENGINEERING PROJECTS

Dates: 8th to 29th April 2021 | **4 sessions** | **Duration:** 3 hours



Gain confidence that the proposed designs in new Greenfield or expansion projects are safe to operate.

Eliminating hazards and risks through design is the most effective way to ensure safe operations (to a large degree) post commissioning.

Learn how to practically implement Safety in Design (SiD) throughout the entire engineering 'lifecycle' from conceptual phase to commissioning, and the importance of incorporating systematic risk-based approach in the engineering projects.

Who Should Attend: Junior-mid level management and technical professionals?

What will participants learn?

- Safety in Design or Inherently Safer design; when it is applicable, and how it integrates with the engineering and design lifecycle
- Design Strategy from Conceptual to Operations phase
- Implementing leading Safety in Design standards, codes and regulations
- Measurement, Metrics and RAGAGEP for engineering projects
- Using the engineering and design tools, practices and techniques that give rise to safer outcomes

Trainers: Dr S. Ganeshan and Nandakishore Varma

Course Commercials

Fees:

INR 100,000/- per company, limited to 6 participants only

Dates:

8th, 15th, 22nd and 29th APRIL 2021 (2:00 pm to 5:00 pm)

Early Bird Discount:

10%, applicable till 2ND march 2021

Individual Fees:

INR 30,000/- per individual registration

Prerequisites:

Basic/fundamental knowledge of process safety/safety management/asset or mechanical integrity and are looking to address domain specific problems in their operations by building capabilities in niche advanced segments.

FOR MORE DETAILS AND REGISTRATION PLEASE CONTACT:

INDIAN CHEMICAL COUNCIL

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DNV GL BUSINESS ASSURANCE

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ICC's bank details for ONLINE / NEFT Payment:

Account No: 27940200000736;

Name of Beneficiary: INDIAN CHEMICAL COUNCIL

Name of Bank: BANK OF BARODA, Horniman Circle Branch, Mumbai-400023,

Branch Code: 2794;

IFSC Code: BARB0PBBMUM;

MICR Code: 400012111;

Swift Code: BARB IN BB BMO

GST No: 27AAACI0359P1Z9

MEET THE TRAINERS



Proteep Ghosh,
Manager – Process Safety, Indian Subcontinent



Nandakishore Varma
Senior Process Specialist



Dr. S. Ganeshan
Senior Process Specialist



Nagmani Sinha
Digital Solutions, Indian Subcontinent