



**ICC**  
Indian Chemical Council



**Indian Chemical Council (ICC) in collaboration with DNV.GL is pleased to present a series of Online CERTIFICATE Courses, viz:**

1. Quantifying Operational Integrity – Developing, Measuring & Monitoring Indicators for Process safety and Asset Integrity performance
2. Barrier Management - Manage, visualize & optimize implementation of Process Safety & Asset integrity through barrier management  
**(In July 2020),**  
and
1. Achieving Operational Efficiency through technology – Increase profitability
2. Safety Culture Stagnation – Avoiding degradation of human factors performance and behavioral attributes for Cultural transformation  
**(In August 2020)**

At the end of each online course, there will be an **Online Test**. On qualifying, participants will be awarded a **CERTIFICATE** of having successfully completed the course. The July courses in the series is meant for middle management, technical heads & operators and the August courses for senior management and leadership.

#### THE PARTICIPATION FEE:

*For July 2020 Courses:*  
Rs. 2,000 plus 18% GST  
per Course/per Participant

*For August 2020 Courses:*  
Rs. 3,000 plus 18% GST  
per Course/per Participant

#### Learning Objectives

- Learn international standards and guidelines on performance measurement
- Understand how Process Safety and Asset integrity should be tracked and measured
- Using Barrier based approach to Fine tune performance measurement and aid in implementation
- Using indicators to improve operational performance in Process and Asset integrity  
Demonstrate effectiveness of risk reduction

#### Who Should attend

- |   |   |
|---|---|
| <ul style="list-style-type: none"> <li>➤ Plant Managers</li> <li>➤ HSE Managers</li> <li>➤ Corporate Safety Managers</li> </ul> | <ul style="list-style-type: none"> <li>➤ Process Safety Managers</li> <li>➤ Asset/Maintenance Managers</li> </ul> |
|---|---|

Members are requested to nominate employees in relevant categories with details as given below:

<i>Name of Participant:</i>	
<i>Designation:</i>	
<i>Email &amp; Mobile No:</i>	
<i>Company Name with Address:</i>	
<i>Authorized by: (Name/Designation):</i>	
<i>GST Number of the Company:</i>	

ICC's bank details for ONLINE / NEFT Payment:  
*Account No: 27940200000736; 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*

**On receipt of participant's data and course fee,  
confirmation mail will be sent to the participant with Login details.**

*The tentative dates of the courses:*  
**JULY 2020: (1) 16 July, 2020 and (2) 30 July 2020**  
**AUGUST 2020: (1) 13 August 2020 and (2) 27 August 2020**

*For further details and registration please contact:*



## INDIAN CHEMICAL COUNCIL

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## Speaker Profile

### MR. PROTEEP GHOSH

A Chemical engineer from University of Pune, with more than ten years of international experience in Process Safety and Asset integrity. He has successfully implemented more than 35 Process safety & Asset Integrity projects (in FEED and Operational Phase) in India, South Korea, Indonesia, & Saudi Arabia for clients from varied sectors, ranging from Specialty Chemicals, Pesticides, Fertilizers, to Oil & Gas and Pharmaceuticals.

In DNV GL Business Assurance, he is heading the Process Safety division for Non-Hydrocarbon Industries and is responsible for handling Process safety and Asset Integrity projects like PSM Implementation, Risk Assessment, Barrier Management, Reliability & Availability, Performance forecasting, Risk based Inspection, Technical Due Diligence etc.



### MR. NANDAKISHORE VARMA

A Chemical Engineer from the University of Calicut, with roughly thirty five years of experience in Operations, Design, Technical Services, Commissioning and Process Safety. Starting his career in the operation of fertilizer plants, he moved on to the design of fertilizer and petrochemical plants and oil and gas installations.

Later on, he moved on to Process Safety full time, specializing in chairing PHA workshops (HAZID, HAZOP, Bow-Tie etc.), conducting safety audits, and designing HSE systems. He has been involved in projects in India, the United Arab Emirates, Saudi Arabia and Qatar.

In DNV GL Business Assurance, he has been handling PHA studies, Process Safety Audits, Technical Due Diligence, Barrier Management in his capacity as Process Safety Specialist.



### DR. S. GANESHAN

A chemical engineer from IISC Bangalore and a PHD from IIT Bombay, with over three decades in Engineering and Contracting Companies (EPC) in India and abroad, serving the Chemical, Petrochemical, Fertiliser and Refinery sectors in Process Design, Marketing and Project Management functions.

Was previously the Program Director for Center for Chemical Process Safety, AIChE, Asia-Pacific region, and the president of Indian Institute of Chemical Engineers.

Is currently a Sr Process Specialist in DNV GL , along with Con current engagements with ICC as Auditor for Responsible care and Member Technology and Energy Expert Committee, Sustainability, Responsible Care and SHE Expert committee

