

MASTER CLASS ON

PROCESS SAFETY MANAGEMENT (PSM)

Effective System Design, Implementation & Audit Readiness – A Practical Approach

11th & 12th June 2026 | 2:00 PM -6:00 PM

Live Online Master Class | Highly interactive, case-driven

PEDAGOGY

- A** Expert-led sessions
- B** Case studies (global incidents & learnings)
- C** Practical frameworks & implementation tools
- D** Interactive discussions & Q&A

PROGRAM OBJECTIVE

To provide participants with practical, implementation-focused knowledge on Process Safety Management (PSM), enabling them to identify, assess, and control major industrial risks while strengthening compliance and safety culture

Key Learning Modules >>>>

- Fundamentals of Process Safety & Major Accident Hazards
- PSM Framework (aligned with global best practices, e.g., OSHA standard 29 CFR 1910.119)
- Process Safety Information (PSI)
- Process Hazard Analysis (PHA), e.g., Risk Assessment Tools: HAZOP, LOPA, QRA etc.
- Mechanical Integrity, Design & Engineering Controls for process industries
- Operational controls, permit systems, and change management (MOC)
- Pre-Start Safety Review (PSSR)
- Emergency Planning and Response
- Incident investigation & learning systems
- Audit readiness and compliance frameworks
- Case studies from high-hazard industries

Who should attend? >>>>

- CXOs / Business Heads
- Plant Heads / Operations Leaders
- EHS / Safety / Fire / Process Safety Professionals
- Operations, Maintenance, Design, Project & Engineering Teams
- Engineering & Design Consultants
- ESG & Safety Consultants & Auditors
- Risk Auditor & Insurance Value
- Risk, Compliance & ESG Leaders



PROCESS SAFETY

Applicable across all industries, as process safety is integral to any operation involving processes, with special focus on –Oil & Gas | Chemicals | Petrochemicals | Pharmaceuticals | Metals & Mining | Cement | Power | Foods & Beverage | Manufacturing & EPC | Design & Consulting This master class is designed to equip participants with comprehensive valuable and practical skills necessary for managing process safety primarily in Industrial Environment.

VALUE PROPOSITION AND KEY BENEFITS >>>

- Strengthened understanding of Process Safety Management systems and risk controls
- Practical capability to design and implement PSM frameworks
- Enhanced audit readiness and regulatory compliance
- Improved leadership approach towards process safety culture
- Industry-relevant, practical learning
- Exposure to global best practices
- Certification adds professional credibility

CERTIFICATION CRITERIA >>>

- Attendance (minimum 80%)
- Online Assessment / Quiz
- Optional case study / assignment

Participants will receive an “E-Certificate of Completion” jointly issued by PHDCCI & HSSERisk (Knowledge Partner).



Participation Fee

₹15,000 + 18% GST per participant

LIMITED SEAT

For Further Information Please Contact

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FACULTY PROFILE

DR. CHANNA GHOSH

**GLOBALLY RECOGNIZED ESG
EHS & PROCESS SAFETY EXPERT** ▶▶▶▶



Internationally renowned Process Safety, EHS & ESG expert, speaker & author, with 33 yrs of experience in exploration, oil & gas, mines, metals, cement, energy (thermal, hydro, solar, wind, biomass), construction, chemicals, foundry, automotive, telecom, pharmaceutical, food & beverage and other process industries. Vast experience in HSE of process plants, chemical reactors, pipelines, power plants, warehouses, jetty, terminals, high rise buildings etc and has command over HSE review of plant designs, layout review, machine guarding, construction safety, fire safety, emergency response, project HSE, PSSR, HIRA, PHA, HAZID, QRA, HAZOP, LOPA, SIL, FMEA, TBMRA, ISO14001/ 45001/ 5001/ 14064/ ISO14065/ 14067/ 14068/ 14040/ 14020, food safety, due-diligence, EIA, Carbon footprint (including CDM, VCS, GCC, CORSIA, GS, CBAM etc), ESG (including GRI, BRSR, SASB, CDP, CDSB, TCFD, EU Taxonomy, ESRS, CSRD, UN Global Compact, UN-SDGs etc).

Implemented Process Safety Management (PSM), Sustainability Management and Behavior Based Safety (BBS) in some leading global organizations. Provided engineering & procedure-based solutions for risk mitigation in underground/ opencast mines, refineries, chlor-alkali, hot metals, industrial gases, furnaces, boilers, incinerators, machineries & equipment, logistics/ road/ rail transportation etc. Hydrogen generation, storage, bottling & transportation and hydrogen Safety - Steam methane reforming, Chlor-Alkali, Oil reforming, Coal Gasification, Water Electrolysis etc. Familiar with hydrogen production processes – Gray H2, Turquoise H2, Yellow H2, Pink H2, Blue H2, Green H2 etc.

Conducted HAZOP study on 500+ nodes, followed by 30+ LOPA and SIL. He has conducted several risk assessments, PHA, HAZID, HIRA, HAZOP, LOPA, SIL, QRA, PSSR etc of oil & gas, foundry, casting, metal plating, refineries, several heavy chemical industries and process industries.

In his corporate & consulting career, worked as Vice President – EHS for India, Bangladesh, Sri Lanka, Nepal & Bhutan and served some leading brands, e.g., British Petroleum, Castrol, PepsiCo, Bridgestone, Federal Mogul, Telenor, Jindal, Vedanta, Tata, C K Birla etc. His research and initiatives in Accident Reduction, HSE culture, Road Safety and Environment Protection, was highly commended and conferred with several national & international awards.

