



Online Certification Workshop on
Operational Safety
Enhancing Safety at Workplace

Friday 31st May & Saturday 1st June 2024 at 3.00 p.m. at Cisco Webex Platform

About the Workshop:

Safety is top most priority in business. There is a saying that 'A Safe Workplace is Sound Business'. Hazards and Risks, associated with activities related to industries, whether at offices, shopfloor or in any other workplace, it is of utmost importance to identify the hazards and assess the risk level to plan for risk minimization/mitigation.

Operational Safety, being an integral part of industry, be it engineering, manufacturing, mining, logistics, construction, MSMEs, etc plays a pivotal role towards bringing safe and effective management of industrial facilities to avoid unacceptable risks, injury or harm to employees, the environment and the society at large. Practicing good safety is the need of the hour to ensure smooth running operations and to ensure a safe working place for workers, vendors, and customers. Achieving operational safety is becoming increasingly challenging for industry, especially Startups/MSMEs, etc with the growing complexities of business and changing expectations.

With this perspective in view, ASSOCHAM is organizing **2nd edition of Online Certification Workshop on Operational Safety – Enhancing Safety at Workplace** on **Friday, 31st May & Saturday, 1st June 2024** from **3 p.m. onwards**. The total duration of the workshop would be 7 hrs approx, spread over two days.

The course would focus on enabling participants to have sound knowledge on Operational Safety – its principals/practices, tools/techniques, measures, etc being followed by industry leaders and shall equip them with adequate understanding of hazards and risk mitigations with examples from case studies/real life context. This online safety training would completely be an interactive learning platform and it would keep the participants abreast on operational safety which would help them to streamline their operations within their respective functional domains.

Objective:

The objective of the workshop is to provide participants, a detailed understanding on the various aspects of Operational Safety Management with a prime focus on safety fundamentals, best practices, legislations, regulations/standards, compliance, guidelines, shopfloor environment, productivity improvement, costs reduction, increase in profitability, industry requirements, adoption of corrective and preventive measures, measures taken for benefitting production downtime, human performance, etc which would help in strengthening the foundation of industrial safety, leading to a successful implementation of Safety Management System and a better Safety Culture in the workplace.

Topics to be Covered:

Introduction to Safety	Operational Safety Management System – Achieving a Safe Workplace	Workplace Safety Practices/Measures	Conceptual Tools for Safety Analysis
<ul style="list-style-type: none">- What is Safety?- Importance of Safety in our daily lives- Basic Safety Precautions- Motivation for Safety- Human Performance- Operational Safety – Fundamentals, Policies, Objectives,	<ul style="list-style-type: none">- Paradigm of Safety Management- The Need for Safety Management- Safety Management System, focussing on Safety Assurance Program & Safety Management Plan	<ul style="list-style-type: none">- Safety Rules/Guidelines- PPEs (Personal Protective Equipments): Matrix and its usage- Visual Safety Management - BUBAK and its use- Housekeeping, 5S, Waste Management and Resource Conservation	<ul style="list-style-type: none">- Accident Iceberg & Safety Pyramid- Loss Causation Model- Errors and Violations- The Shel Model- Organization Culture

Importance, Commitments & Targets - Key Safety Questions	- Health & Safety Management - Technological Advancements/Digitization in Safety	- Machine Safety, Welding Safety, Traditional Safety, Behaviour Based Safety (BBS) & Lockout – Tagout (LOTO) Practices - Measures related to Safety of Industrial Appliances & Operations	- Effective Safety Reporting & Investments
Hazard Identification and Risk Assessment (HIRA) - Safety Risk Management: Fundamentals, 4 T principles & Brief Overview - Safety Risk: Probability, Severity, Tolerability & Control - Hazards: Identification, Removal, Classification, Analysis, Assessment, Prevention & Risk Control - Cost Benefit Analysis – - Risk Assessment/ Examination, Reduction and Mitigation of Safety Risks	Approach to Managing Operational Safety - Systematic approach to Managing Safety - Management & Workers Involvement and Commitment - Acceptable Level of Safety (AoS) - Accidental/Incidental Investigation Process	Occurrence of Safety Hazards - Electrical, Fire, Tools & Machinery, Roads and Confined Spaces - Hazardous Chemicals & Materials - Materials/Equipments Handling - Lack of Machine Guarding & Poor Maintenance of Machines/Equipments - Errors related to Humans & Industrial Vehicles - Near Miss, Working at Height: Slips, Trips, and Falls	Legislations, Standards & Compliance - National & International Legislations - Standards & Compliances - Applications to Safety - ISO 45001: 2018 Occupational Health & Safety Management System

Target Participants:

The basic criteria for participating in this online certification workshop is that participants should have a fundamental understanding of safety within an industrial environment. Since this course is organized to provide awareness and understanding of operational safety, following are the target participants from sectors like Engineering/Manufacturing, Mining, MSMEs, Logistics, Construction, Services, etc. for whom this workshop would be quite beneficial.

Manufacturing/Production Leaders Safety Heads Line Managers Factory/Plant Heads Senior/Mid Level Business Executives Production Managers Supervisors Entrepreneurs/Owners	Project Managers Management Personnel Operations & Maintenance Officers Purchase/Procurement Managers Health and Safety Officers Safety Engineers/Practitioners /Professionals/Consultants Graduate Engineering Trainees (GETs)/Management Trainees (MTs)
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Deliverables:

- Increase the knowledge on Operational Safety by providing a deeper level of understanding, especially the operational safety management system, including safety assurance program, safety management plan, ways of managing safety, technical understanding, the obligations to be met, etc which would assist in relevant decision making related to safety.
- The course would help the participants to learn about the various safety strategies, tools/techniques, principles/practices, guidelines, etc leading to successful Implementation of Operational Safety, thus ensuring a safer workplace and bring overall development and growth of business.
- Detailed understanding on Safety Hazards/Risks and Hazard Identification and Risk Assessment (HIRA), leading to proper Safety validation and reporting.
- Learn about the legislations, Regulations/Standards & Compliance and also about its various applications to Safety.
- Last but not the least, the course would help to inculcate safety culture within an organization and amongst the employees, resulting in achieving a safer working environment.

MEET OUR FACULTY



Mr H M Bhandari
Dy Director (Safety) & HOO
Regional Labour Institute Kolkata
Directorate General of Factory Advice
Services and Labour Institute (DGFASLI)
Ministry of Labour and Employment
Government of India

Mr H M Bhandari, Dy Director, Safety and Head of Office, Regional Labour Institute, Kolkata, The Directorate General of Factory Advice Service & Labour Institutes (DGFASLI), formerly known as Chief Adviser of Factories, Ministry of Labour and Employment, Government of India worked at various offices of DGFASLI like Mumbai, Faridabad and presently posted in Kolkata, handles key responsibilities like National Policy on Safety Health and Environment at Workplace, liasoning with Ministry of Labour and Employment, New Delhi on Amendments to Factories Act 1948, Occupational, Safety, Health (OSH) Working Conditions Central Rules 2020, Safety & Health Survey, HAZOP Studies, Safety Audits, etc. He is closely associated with Bureau of Indian Standard (BIS) in the realm of factory safety.

He is an advanced Diploma holder on Industrial Safety and an Associate Fellow of Industrial Health and have attended various safety forums related to Chief Inspector of Factories, training programmes, workshops, seminars, etc. He received the Prime Minister's Shram Awards, Vishwakarma Rashtriya Purushkar and National Safety Awards.



Mr A Y Sundkar
Director, Technical
National Safety Council
Ministry of Labour and Employment
Government of India

Mr A Y Sundkar, Director, Technical, National Safety Council (NSC), Ministry of Labour and Employment, Government of India worked in various capacities and has 33 years of work experience. He is an advanced Diploma Holder on Industrial Safety and completed a Course on Natural Disaster Risk Management Framework from World Bank. He leads a high profile team of safety professionals for conducting safety audits and for developing emergency plans of various industrial units. Apart, he was involved in developing disaster management plans of various industrial pockets in India and conducted several training programmes on Industrial Safety and Industrial Emergency/Disaster Management. He was instrumental in implementing a two year project on Disaster Risk Reduction in a tourism destination named Kanniyakumari with support from United Nations Environment Programme (UNEP) and District Administration of Kanniyakumari.

He visited many overseas countries for sharing experiences on Implementing UNEP's Projects on Industrial Disaster Management in India by NSC and received an extensive Training on Safety from Tokyo, Japan. Presently, he is representing National Safety Council as a member on BIS committees for developing Indian Standards on Safety and is one of the Jury Members of Safety Awards Committees of Atomic Energy Regulatory Board and Directorate of Industrial Safety & Health, Government of Maharashtra.



Prof R M Bhattacharjee
Professor
Department of Mining Engineering
Indian Institute of Technology
Indian School of Mines Dhanbad

Prof R M Bhattacharjee, Professor, Department of Mining Engineering, Indian Institute of Technology, Indian School of Mines Dhanbad has total 32 years & 7 months of industry experience in various verticals of industry. Prior to joining of Indian School of Mines, Dhanbad, he worked in Indian Coal Mining Industry, Directorate General of Mines Safety (DGMS) and Department of Natural Resources and Mines (Department of Mines and Energy), Queensland, Australia. He is also working in Research & Development and Consultancy and his deeply involved in various studies and projects related to mining, manufacturing and allied activities.

His key areas of expertise are Risk Assessment and Safety Management, Emergency Response & Disaster Management, Accident Investigation, Fire & Explosion, Underground Coal Mining Technology, etc.



Mr Neeraj Sinha
Chief Safety
Tata Steel Limited

Mr Neeraj Sinha, Chief Safety, Tata Steel Limited joined as a Graduate Trainee and has experience of 26+ Years in Safety, Construction, Engineering & Projects, Maintenance, Capital Procurement, and TQM. Prior to joining as Chief of Safety, he worked as Chief Projects (Coke, Environment & Energy) in Tata Steel Limited. He is currently responsible for the Safety of all locations across India, including Operations, Mines, Construction, Logistics, etc. He is a passionate speaker on 'Felt Leadership', 'Road Safety', 'Construction Safety' and Application of Prevention Through Design (PtD) in Construction and Design and how Digital and Technologies would improve safety. He is driving safety across various industry verticals and making the process and systems safe through AI, Generative AI, Digital, Technology, etc.

He is well experienced on Engineering, Project Management & Construction and has executed both brown & green field projects in industry, especially in steel industry and have undertaken many projects related to Environment, Zero Water Discharge, Solid Waste Discharge, etc for industry benefit.



Mr Ajay Pannu
Head, Environment, Health & Safety (EHS)
Thermo Fisher Scientific Inc

Mr Ajay Pannu, Head, Environment, Health & Safety (EHS), Thermo Fisher Scientific Inc is a seasoned safety professional with over 30 years of experience in Safety, Health & Environment in manufacturing, hospitality, IT, research organizations, etc in multiple verticals and market places. He, having worked with some of the best names in industry and with some highly respected professionals, has had the unique opportunity to experience high energy environments in fast pace project life cycles that utilized some of his attributes like hands on expertise on full scope EHS management services and security domain.

In the past, he worked as a leader in Safety, Health & Environment for South Asia at E I Dupont India, then as Sub Regional Manager, Security and Safety with Dell Computers, India and as Manager, EHS in GE Capital, India (now known as Genpact).



Mr Pankaj Singh
Business Safety Head
Cement Business Unit
Adani Group

Mr Pankaj Singh, Business Safety Head, Cement Business Unit, Adani Group has 25 years of hands on experience in various industrial sectors across Asia Pacific. He is a seasoned safety professional and a passionate road safety enthusiast. He is responsible for defining, designing, and executing the health and safety strategy in industry. His key skills lie in workplace safety, road safety, fire safety, risk management, leadership, safety audit, etc. He has a proven track record of building a sustainable safety culture, coaching safety leadership, transforming safety behaviour, and designing and implementing engagement tools, operational safety management, etc at workplace. He is passionate about safeguarding people and communities through strategic initiatives and best practices in the area of health and safety.

He has been recognized as a top safety influencer and a road safety leader at the regional and global levels and have contributed immensely to the outstanding road safety performance in India.



Mr Arvind Pathak
Head, Health, Safety and Environment
Mobile Networks (MN)
Nokia

Mr Arvind Pathak, Head, Health, Safety and Environment, Mobile Networks (MN), Nokia is very passionate about saving “Lives & Environment” for “Sustainable Future” and strongly believes that Safety, Wellbeing, Environment & Sustainability (SWES) are values and should be practiced as “Way of Life”, which would inevitably create safe environs for “People & Planet “and thus for the organization and society at large.

He is a seasoned health, safety, wellbeing & sustainability professional with 20 + years of experience into planning, strategy, implementation, monitoring and governance for the continual improvement and cultural transformations in various industries within India and abroad. He worked in various industry segments starting with Technology, Telecom, Real Estate, Airports, Seaports, SEZ/Free Zones, Infrastructure, Automobiles, Chemicals, Hospitality, Facilities, such as Nokia Networks, Mumbai International Airport, Ports Customs Free Zone Corporations, Govt. of Dubai, TAJ Group of Hotels, Knight Frank, Apeejay Group, Department of Fire Services (DFS), Govt of Delhi, etc. He has master’s degree on Safety & Environment and his areas of expertise are Quality, Health, Safety and Environment (QHSE), Wellbeing & Sustainability, Safety Auditing, Life Safety, Workplace Safety,

Occupational Health & Safety Assessment Series (OHSAS) 18001, Risk Assessment, Safety Compliance, Industrial Safety, Accident Investigation, Safety Training, Safety Culture, Fire Services, Environment, Health and Safety (EHS), etc. He is associated with various Industry forums/associations & regulatory bodies and has published many journals in the past on topics of Health, Safety, Wellbeing & Sustainability, etc.

How to Register:

Members and non members are invited to nominate participants for the workshop. **Organizations nominating minimum 3 or more participants are entitled to a discount of 10% on the total participation fee.** You are requested to kindly confirm your registration through the **reply form (enclosed herewith) or over email to ramit.sircar@assochem.com.**

The **participation fee is Rs 5000/- plus GST @18% per participant.** We request you to kindly make the payment using the following bank details.

Bank Name: HDFC Bank Ltd

A/C Name: ASSOCHAM Regional Office Kolkata

A/C Type: Savings

A/C No.: 00141110005388

IFSC Code: HDFC0000014

Kindly note that an E-Certificate of Participation shall be provided to the participants upon successful completion of the workshop.

For more details, please contact, **Mr Ramit Sircar, M: +919830468951, E: ramit.sircar@assochem.com** or **Ms Rita Sarkar, M: +919674457741, E: rita.sarkar@assochem.com.**
