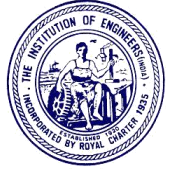




Engineering Staff College of India

Autonomous Organ of The Institution of Engineers (India)
Old Bombay Road, Gachibowli, Hyderabad – 500 032, T.S, India

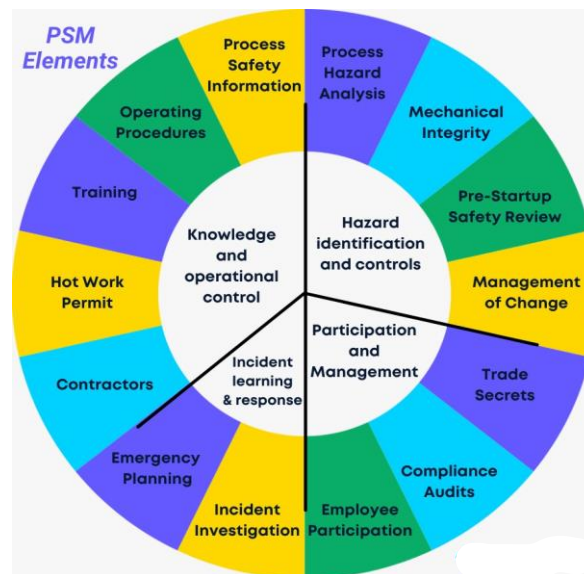


QUALITY & PRODUCTIVITY DIVISION

Workshop on

Safety Management in Manufacturing & Process Industries

10-11 August, 2023



(An ISO 9001:2015, ISO 14001:2015, ISO/IEC 17025:2017, ISO 45001:2018, ISO 50001:2018 certified,
AICTE & CEA Recognized Institution)

INTRODUCTION

Process Safety Management (PSM) became prominent after few undesirable loss-oriented trends in many Chemicals Processing technologies, viz., Metallurgical Operations, Petroleum and Petrochemicals, Agrochemicals, Active Pharmaceutical Ingredients, Basic Inorganic Chemicals, Construction Chemicals, Chemical Waste Management in bulk and retailed operations. PSM has significant impact in the Life Cycle covering Raw Materials, Intermediates, Final Production in Transportation / Storing and end applications. Therefore, it is a matter of concern in Technology Development, Installation Design, Process Operations and even in Energy Optimization. It is a concern for all related functionaries. Chemicals Processing inevitably carries need for Safety towards a sustainable future. It is growing with modern technology and is expanding to new areas like digitalization and becoming part of Industry 4.0.

OBJECTIVES:

In the past three decades, the theme has been widely discussed and is on path of continuous development. Process Safety Management is a “disciplined framework for managing the integrity of operating systems and processes that handle hazardous substances,” and the objective is to prevent unintentional releases of hazardous materials or energy to prevent structural failure or loss of stability that could lead to a major incident. The theme also became one part of base in development of International Standards like ISO 45001:2018.

The objective of the ESCI choosing this important topic is to share trends while tracing origin and developments. Specialists from the field would be making presentations and approach would be to share experiences through theme topics, case studies and sources of information etc.

COURSE CONTENTS

- Concept of PSM & Major Developments-Implementation Issues of PSM- Deming / Shewhart Cycle
- Hazard Identification- Consequence and Risk Assessment Practices
- Risk Mitigation through Design
- Early Recognition of Health Hazard Consequences-Mitigation
- Process Equipment Integrity- LOPA for Safe Operation
- Change Management- Auditing for Safety – Performance Evaluation
- PSM Towards Sustainability through Commitment of Stakeholders
- Digitalization-Process Safety

Supported by Case Studies, Use of Videos for Group Discussion and Presentation

BENEFITS

- Understanding impact of High Hazard Process Operational Failures
- Corrective and Proactive Preventive measures and achieving part of sustainability

TARGET PARTICIPANTS

- Executives from Government / Defense / PSU / MNCs and other manufacturing, & process organizations.

- Executives, Middle Management working as Technicians, Quality & Safety Professionals.
- Senior & Middle level executives from manufacturing industries related to Metallurgical Operations, Petroleum and Petrochemicals, Agrochemicals, Active Pharmaceutical Ingredients, Basic Inorganic Chemicals, Construction Chemicals, Chemical Waste Management in bulk and retailed operations.

CERTIFICATE

Participants who successfully complete the course will be awarded certificate by ESCI.

METHODOLOGY

The course designed to provide a comprehensive learning package through formal lectures, individual, interactive exercises, case studies, role playing for better learning and also sharing the experience gathered through regular audits & working experience in the industry.

PROGRAMME VENUE, DATES & TIMINGS

Venue: Engineering Staff College of India (ESCI) Campus,
Old Bombay Road, Gachibowli,
Hyderabad - 500 032. Telangana State, India.

Dates: 10-11 August, 2023

Timings: On the first day Registration will commence at 0930 hrs. On all other days the program timings will be from 0945 - 1715 hrs. with breaks in between for tea and lunch.

COURSE DIRECTOR

Dr. C. S. Krishna Prasad Rao
Head – Quality & Productivity Division, ESCI

COURSE ADVISOR

Sri. T.E.C Vidyasagar
Safety Management Specialist

FACULTY

Eminent Speakers who have extensive experience in the field of Process Safety Management in Manufacturing & Process industries will share the sessions.

COURSE FEE

Rs.10,000/- (Residential)+ 18% GST per participant. Fee includes, course material, course kit, twin-sharing /single AC accommodation as per availability, breakfast, lunch, dinner, tea / coffee and snacks during the actual days of training programme.

DISCOUNTS

- **Non-Residential Fee: 10% discount on course fee is allowed for non-residential participants.**

GST 18% is to be paid extra over and above the training fee, as training is also under the purview of GST.

GSTN Number: 36AAATT3439Q1ZV
HSN Number: 999293
PAN Card No. AAATT3439Q.

MODE OF PAYMENT

Programme fee is to be paid in favour of "IE(I)-Engineering Staff College of India" in the form of demand draft payable at Hyderabad.

Alternatively, the payment may be made by Electronic Fund Transfer (EFT) to ESCI – SB A/c No. 912010049234564 with Axis Bank Ltd., Gachibowli branch, Old Mumbai Highway, Cyberhills Colony, P Janardhan Reddy Nagar, Gachibowli, Hyderabad – 500032, T.S., by NEFT/ RTGS/ IFSC Code No. UTIB0000733 – MICR No.500211020.

While using EFT method of payment, please ensure to communicate us your company name, our invoice reference and programme title.

REGISTRATION

Online registration shall be available on ESCI website.

To register manually please send your nominations giving details of name, designation, contact address, email address, mobiles no, telephone and fax number of the participant along with the details of mode of payment of fee and addressed to:

The Head

Quality & Productivity Division

Engineering Staff College of India

Gachibowli, HYDERABAD – 500032

Direct Phones: 040 – 66304133, 4132, 4110

Email: qp@escihyd.org website: www.escihyd.org

GENERAL INFORMATION

- ESCI encourages participants to present case studies / experience from their respective organizations.
- For the convenience of outstation participants, ESCI will facilitate pick-up and drop from Airport / Railway Stations / Bus Stations, if travel plans are received at least 3 days in advance along with mobile number by fax or email. The charges shall be paid by the participant directly to the Cab.
- ESCI provides complimentary accommodation and boarding to the participants one day before commencement (Check-in at 1200 hrs.) and one day after conclusion (Check-out at 1200 hrs.) of the program duration. Overstay charges will be applicable as per ESCI rules (subject to availability of accommodation)
- Well-developed Information Centre and Internet facilities are available to the participants.