

First Information Brochure

Two-day **Workshop** on **Occupational Health and Safety in Industries: Issues and Challenges from an International Perspective**

2nd - 3rd February, 2024

Organized by



Department of
Industrial and Systems
Engineering, IIT
Kharagpur

In association with



TXHI Global Health and
Technology Private Limited,
Kolkata

&



Texas Healthtech Institute,
Texas, USA

Venue

Indian Institute of Technology, Kharagpur
Kolkata Extension Centre, HC 7, Sector III,
Bidhannagar, Kolkata, West Bengal 700106

About TXHI Global Health and Technology Private Limited, Kolkata.

TXHI Health and Technology Private Limited, Kolkata, is located in the premises of the Research Park of Indian Institute of Technology (Kharagpur) at New Town, Kolkata 700156. The basic activities of this Institute is to provide academic and industry interface to heavy, medium and small industries. Four professionals who are alumni of IIT Kharagpur have formed the institute. Two of them are industrial experts in the field of metals & mining and Oil & Gas sector. Other two are academics in the field of Industrial Engineering, Business Management, and Healthcare Technology. TXHI Global Healthtech provides:

- i) Training in Industrial engineering field.
- ii) Industrial consultancy
- iii) Medical data analysis
- iv) Skill development on use of medical equipment/technology.
- v) Incubation facility to entrepreneurs.

Introduction

Occupational health and safety are a discipline with a broad scope involving many specialized fields. In its broadest sense, it aims at:

- promotion and maintenance of the highest degree of physical, mental and social well-being of workers in all occupations;
- prevention among workers of adverse effects on health caused by their working conditions;
- protection of workers in their employment from risks resulting from factors adverse to health;
- placing and maintenance of workers in an occupational environment adapted to physical and mental needs; and
- adaptation of work to humans.

Occupational health and safety encompass the social, mental and physical well-being of employees. Successful occupational health and safety practice requires the collaboration and participation of both employers and workers in health and safety programs, and involves the consideration of issues relating to occupational medicine, industrial hygiene, toxicology, education, engineering safety, ergonomics, psychology, etc.

Work plays a central role in people's lives, since most workers spend at least eight hours a day in the workplace, whether it is on a plantation, or in an office, factory, etc. Therefore, work environments should be safe and healthy. Yet this is not the case for

many work places. Every day workers all over the world are faced with a multitude of health hazards, such as:

- dusts;
- gases;
- noise;
- vibration;
- extreme temperatures.

Objectives of the Workshop

At the end of this workshop, trainees will be able to:

- (1) Explain that occupational health and safety is more than accident prevention — that it encompasses all aspects of working conditions;
- (2) Explain why management's commitment to health and safety is crucial;
- (3) Explain why training is a critical component of any health and safety programme;
- (4) Recognize a number of occupational hazards and some of the types of work generally associated with those hazards;
- (5) Discuss the range of hazards in their own workplaces.

Topics

1. Importance of health and safety in the workplace with occupational health & safety
2. Overview of Human-Product Interfaces in Healthcare System
3. Identifying Health and Safety Concerns in Industries, OHS Standards
4. Electrical, Fire, Radiation & Chemical Hazards and prevention
5. Mechanical Hazards and Machine safeguarding.
6. Total safety Management, Quality Management setting
7. Standards, rules and regulations for safety: OSHAS 18001, industrial safety rules and regulations in India.

Who should participate

This is a Two-day workshop designed for middle / senior level managers in industries. Participation from any industry is welcome as the topics are generic and applicable to any company.

Teaching facility

Four faculty members who are having around four decades of industrial experience and academic experience will be conducting the sessions. Industry experts will also present at the workshop.

The teaching will be made through LCD projector, white board, marker pen, internet facility, videos of case study etc.

Participants needs to have laptop / tablet / Mobile / scientific calculator for his / her use.

Program Schedule

The program will be from 9.00 am to 5.00 pm with 3 breaks. 1st and 3rd break will be for 15 min each for tea and snacks. 2nd break will be for 1 hour for lunch.

Tea, Snacks and lunch will be provided at the program venue.

Accommodation

Participants shall have to arrange their own accommodation. Budget hotels are available with in distance of 3 km.

Registration fee

Rs 10000.00 for Indian participants
USD 200 for foreign participants
Last date of Registration: 27.01.24

Contact

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Mobile: 9434534859, 987532943

Faculty Members



Prof Pradip Kumar Ray Department of Industrial and Systems Engineering, IIT Kharagpur.

Academic experience: 34 years; Industrial experience: 8 years.



Prof Purnendu Mandal

President of Texas Healthtech Institute, USA;
College of Business, Lamar University, USA;
Academic and Industrial consultancy: 38 years



Er Asoke Kumar Paul

Ex General Manager In-charge, R & D
Centre for Iron and Steel, SAIL
Industrial experience: 38 years; academic experience: 6 years



Er Sitangshu Saha

Industrial Consultant and Entrepreneur
Industrial experience: 44 years

Registration form

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1. Name: _____

2. Affiliation: _____

3. Educational Qualification: _____

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6. Email: _____

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Bank Name:

Date:

Amount Rs.

Or Remit to: Canara Bank, Branch – SRIC IIT

Kharagpur, IFSC Code: CNRB0019556 Account No:

95562200002955, Swift code – CNRB-IN-BB-BFD

Signature of participant

Signature of Sponsoring Authority (With Seal)