

CONTACT

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BUET, Dhaka-1000

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About DCE

DCE established in **1995 at BUET**, a platform for decentralized and adaptive learning to bridge the gap between Professionals and Academicians, promotes pedagogical development with a combined experience of Academicians and Professionals and offers distance training opportunities. So far, **250** short courses/training workshops have been offered to serve more than **10,500** professionals.

October 2025						
Sun	Mon	Tues	Wed	Thurs	Fri	Sat
			1	2	3	4
5	6	7	8	9	10	11
12	13	14	15	16	17	18
19	20	21	22	23	24	25
26	27	28	29	30	31	

SHORT COURSE OUTCOMES

At the end of this course, participants are expected to learn and subsequently apply knowledge on:

- The core mechanisms of safety and process safety management.
- Hazard Identification & Risk Assessment: Master techniques to identify and mitigate potential hazards.
- Practical Safety Tools: Gain proficiency in safety toolkit talks, SCAT incident investigation, permit-to-work systems, and management of change procedures.
- Safety Documentation & Reporting: Learn to create and present effective safety records, reports, and presentations.
- Linking Safety to Core KPIs & MIS to see the real improvements in Safety Culture.

RESOURCE PERSON

Experts from both **Academic and Professional** domains will conduct the proposed short course. For details, please visit: dce.buet.ac.bd

DURATION

23 – 25 October 2025: 3 days (Thurs – Sat)

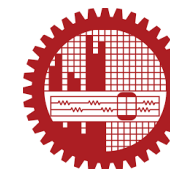
LANGUAGE

English and Bangla

CERTIFICATE

Certificate of attendance will be provided.

Short Course on Safety Management in Industry



23 – 25 October 2025
BUET, Dhaka

Organized by

Directorate of Continuing Education (DCE)
Bangladesh University of Engineering and Technology
Dhaka-1000

[For registration in this course, please scan below](#)



In today's complex industrial landscape, safety is paramount. This intensive short course equips you with the essential knowledge and practical skills to proactively manage process safety risks, ensuring a safer and more efficient workplace. Minimize incidents, reduce downtime, and enhance your organization's reputation. Gain a competitive edge by demonstrating a commitment to industry best practices. Empower your team with the tools and techniques to identify, assess, and mitigate hazards effectively.

This comprehensive program covers critical aspects of process safety, delivered by experienced academic and industry professional.

In a motto to achieve 'Zero Accident' and 'Zero Fire' elevate your expertise in occupational health & safety, process safety and loss prevention management by enrolling in the Short Course by DCE, BUET

WHO SHOULD ATTEND?

This short course is designed for anyone who has an interest in occupational safety management, particularly in industry. The following participants will get the most benefit from attending this short course:

- Safety Managers and Engineers
- Process Engineers
- Operations Managers and Supervisors
- Maintenance Personnel
- Anyone responsible for ensuring workplace safety

PROGRAM OVERVIEW

This Program Offers:

- In-depth knowledge aligned with local and international standards.
- Expert-led theoretical and practical sessions.
- Hands-on learning to enhance technical skills.

Contents of the workshop are:

- Foundations of Safety and Risk Assessment
- Practical Safety Tools and Procedures
- Safety Documentation and Reporting

VENUE

Directorate of Continuing Education (DCE), 3rd Floor, Institute Building, BUET, Polashi, Dhaka-1000. (near Dr. M A Rashid Student Hall, BUET and BUET Gymnasium)

REGISTRATION FEE

BDT 15,000/- per Person (Tk. Fifteen Thousand Only)
The fee will cover printed lecture instructions, comprehensive materials, refreshments, certificates, etc.

PAYMENT PROCEDURE

The Registration Fee is to be paid in advance, payable through

1. Pay Order/Demand Draft (DD) in favour of

Director, BRTC BUET, DHAKA OR

2. Electronically deposited at -

Savings Account No. **4404034173888**

Routing Number - **200270522**

Account Name - **Director,**

Directorate of Continuing Education (DCE)

Bank Name - **Sonali Bank Ltd., BUET Branch, Dhaka**

Seats are limited and the selection procedure will be first come first-served basis.

REGISTRATION FORM

Short Course On

Safety Management in Industry

DCE, BUET

Please complete the registration form in BLOCK LETTERS and return it to the address overleaf.

Name:

Affiliation:

Company Name:

Address:

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Cell Phone:

Email:

Payment:

- Pay Order/ Demand Draft (DD)
- Online Banking

Please attach the original copy of the payment.

Details of Pay Order/Demand Draft:

.....

Signature:

Date:



**Short Course on
SAFETY MANAGEMENT IN INDUSTRY**

23-25 October 2025 (17 Hours)

Directorate of Continuing Education (DCE)

Bangladesh University of Engineering and Technology (BUET)

Program Schedule

Day	Time	Event	
Day-01			
23.10.2025 (Thursday)	2:30 PM - 3:00 PM	Registration	
	3:00 PM - 3:15 PM	Inaugural Ceremony and Introduction	
	3:15 PM - 4:00 PM	Lecture 1: Road Work Zone Safety: Bangladesh Scenario	Dr. Md Asif Raihan Associate Professor, Accident Research Institute (ARI), BUET
	4:00 PM - 4:15 PM	Tea Break	
	4:15 PM - 5:15 PM	Lecture 2: Why Safety?	Md Liaquath Hossain CEO, BIZ TRAIN Training Institute
	5:15 PM - 5:30 PM	Prayer Break	
	5:30 PM - 6:30 PM	Lecture 3: Safety Pyramid (Tier – 1, 2, 3, 4)	
	6:30 PM - 7:00 PM	Tea & Prayer Break	
	7:00 PM - 7:45 PM	Lecture 4: Hazard Identification & Risk Assessment (HIRA)	
	7:45 PM - 8:30 PM	Lecture 5: Risk Ranking	
Day-02			
24.10.2025 (Friday)	9:00 AM - 10:00 AM	Group Exercise	Md Liaquath Hossain CEO, BIZ TRAIN Training Institute
	10:00 AM - 11:00 AM	Lecture 6: Safety Toolkit Talk	
	11:00 AM - 11:15 AM	Tea Break	
	11:15 AM - 12:30 PM	Lecture 7: Accident/Incident Reporting/Investigation (SCAT Format)	
	12:30 PM - 2:30 PM	Lunch and Prayer Break	
	2:30 PM - 3:15 PM	Lecture 8: Understanding 25 Incident Types	



Short Course on
SAFETY MANAGEMENT IN INDUSTRY
23-25 October 2025 (17 Hours)
Directorate of Continuing Education (DCE)
Bangladesh University of Engineering and Technology (BUET)
Program Schedule

Day	Time	Event	
	3:15 PM - 4:00 PM	Lecture 9: Understanding 47 Root Causes	
	4:00 PM - 4:15 PM	Tea Break	
	4:15 PM - 5:00 PM	Lecture 10: Investigation Examples in SCAT Format	
	5:00 PM - 5:15 PM	Prayer Break	
	5:15 PM - 6:45 PM	Lecture 11: Work Safety Instruction Book	
	6:45 PM - 7:15 PM	Tea & Prayer Break	
	7:15 PM - 8:00 PM	Group Exercise	
Day-03			
25.10.2024 (Saturday)	2:30 PM - 3:00 PM	Lecture 12: Safe Management of Change	Md Liaquath Hossain CEO, BIZ TRAIN Training Institute
	3:00 PM - 3:30 PM	Lecture 13: Safety KPIs	
	3:30 PM - 4:00 PM	Lecture 14: Monthly Safety Checklists	
	4:00 PM - 4:30 PM	Lecture 15: Safety MIS	
	4:30 PM - 4:45 PM	Tea & Prayer Break	
	4:45 PM - 6:15 PM	Lecture 16: Road Work Zone Safety: <ul style="list-style-type: none">Concerns, Safety Concepts and Global PracticesCritical Safety Issues in BangladeshStandard Templates	Dr. Md Asif Raihan
	6:15 PM - 6:30 PM	Tea & Prayer Break	
	6:30 PM - 8:00 PM	Lecture 17: Road Work Zone Safety: <ul style="list-style-type: none">Hazard Identification for Existing/Ongoing ProjectsCase Studies	
	8:00 PM - 9:00 PM	Certificate Distribution and Closing Ceremony	

Trainer's Biography



Dr. Md Asif Raihan is an Associate Professor of the Accident Research Institute (ARI) at Bangladesh University of Engineering and Technology (BUET). Dr. Raihan completed his Ph.D. at Florida International University (FIU), USA. While doing his Ph.D., he worked on Florida Department of Transportation's (FDOT's) research projects as one of the key researchers. FDOT District One incorporated his research results for the Congestion Management Process (CMP) to prioritize low-cost, near-term highway improvements on the Strategic Intermodal System (SIS) of Florida, USA. He developed Florida-specific Crash Modification Factors (CMFs) for bicycle crashes which won him the 2017 Daniel B. Fambro Best Student Paper Award from the Institute of Transportation Engineers (ITE) – the highest student

award from ITE.

Furthermore, Dr. Raihan recently has won the 2022 AME20 Best Up-and-Coming Paper Award from the Transportation Research Board's (TRB's) Standing Committee on Women and Gender in Transportation in January 2023 and the 2022 Outstanding Paper Award from TRB's Committee on Pedestrians ACH 10 – which are the highest nominations for any transportation researcher. His research interests include application of data mining and machine learning algorithms in transportation safety and mobility, GIS-based crash analysis, transportation asset management, transportation planning, ITS, and road work zone safety. He has published in the Accident Analysis and Prevention (AAP), Transportation Research Record (TRR), Traffic Injury Prevention, IATSS Research, ITE, and ASCE Journals. He is also a reviewer of TRR, Habitat International, Journal of Transportation Safety and Security, Traffic Injury Prevention. Dr. Raihan is now actively involved in a number of consultancy projects sponsored by the World Bank, Global Road Safety Partnership (GRSP), and the Government of Bangladesh.



Md Liaquath Hossain, a BUET Mechanical Engineer with a diverse background in the field, is a seasoned professional with over two decades of experience in industrial production, maintenance, safety and management, including last 6 years as Safety Head. He holds numerous certifications in safety and quality. A certified Lead Auditor in OH&SMS 45001:2018, his expertise spans operational safety, fire prevention, and quality management. With extensive experience at leading companies like Abul Khair Group and Berger Paints, he is also a published author, sharing his insights through books like "লার্নিং সেফটি - Learning Safety" and "জীবনের ডেউ". He currently contributes to training and development at BIZ TRAIN Training Institute.

Md Liaquath Hossain availed trainings on Operational Safety & Risk Management, Fire and Explosion Safety, Fire & Safety at Workplaces, Fire Safety Awareness, Lead Auditor on OH&SMS 45001:2018, Internal Auditor on SA 8000:2014, IMS Internal Auditing Technique, TQM, Internal Auditor on ISO 9001:2008, Hot Work Safety, Process Safety Excellence, WISE (Work in a Safe Environment) Basics, World Class Maintenance Management, Short Course on Energy & Environment, Operation & Maintenance, Industrial Water Treatment & Boiler and Cooling Water Conditioning, Habits of Highly Effective People, Leadership Excellence, Negotiation Skills, Mental Health for Students.