



No. DCE- 007(198)/31

Date: 14/06/2023

**Announcement of Short Course on ‘Safety Management in Construction Industry’, 20-22 July 2023  
Organized by Directorate of Continuing Education (DCE), BUET.**

Dear Sir/Madam,

We have the pleasure to inform you that a 3 days short course on ‘Safety Management in Construction Industry’ is going to be organized by the Directorate of Continuing Education (DCE), on 20-22 July 2023 (Thursday 2.30 PM - 8:30 PM, Friday 9:00 AM - 6:45 PM, Saturday 2.30 PM - 9.00 PM).

This course has been developed with a combined effort from safety management in construction industry professionals and academicians. This course intends to disseminate proper knowledge and experience on major safety hazards, risks, and causes of accidents in the construction sector in Bangladesh. More importantly, various local and international standards recommended safety measures essential to implement at construction projects, with the ultimate goal of preventing any accidents to construction workers or external people and thereby helping the country’s construction industry attain a healthy and safe workplace.

Highly qualified, professionally trained, reputed, and experienced resource persons in the related areas, with ample theoretical and practical knowledge and current information, have been invited to conduct this course.

The registration fee for this short course is **TK. 15000/- (Taka fifteen thousand only)** as per person to be paid in advance, through Pay-Order or Demand draft, in favor of “**Director, BRTC, BUET**”. Course registration fee may also be electronically deposited at Savings Account No. 4404034173888, Account Name: **Director, Directorate of Continuing Education (DCE), Sonali Bank Ltd., BUET Branch, Dhaka**. Course Fee includes all costs of printed lecture instructions, comprehensive materials, refreshments, certificates, etc., excludes VAT & TAX.

Seats are limited and the application /nomination would be selected on a First Come First served basis, **Registration Deadline is 12<sup>th</sup> July 2023.**

For further information, please contact to DCE office, BUET, Cell: **01303183113**, Tel: **58610738**, PABX. 55167100 Ext. 7848, E-mail: [info@dce.buet.ac.bd](mailto:info@dce.buet.ac.bd). You may also visit our official website: <https://dce.buet.ac.bd>

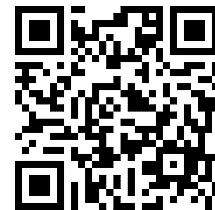
We would appreciate it if you could kindly participate and/or nominate the concerned official(s) from your esteemed organization in this proposed short course.

Thank You

**Prof. Dr. Mohammad Nasim Hasan**  
Director, Directorate of Continuing Education (DCE)  
Bangladesh University of Engineering and Technology  
Mail: [info@dce.buet.ac.bd](mailto:info@dce.buet.ac.bd)

**For registration in this course,**

**Please scan below**



## CONTACT

**Director**  
**Directorate of Continuing Education (DCE)**  
BUET, Dhaka-1000

Tel: 02 58610738  
PABX: 02 55167228-57 ext. 7848, 7452  
Cell: 01303183113  
Email: info@dce.buet.ac.bd

## July 2023

SUN	MON	TUE	WED	THU	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					

## 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, **198** short courses/training workshops have been offered to serve more than **10,000** professionals.

## SHORT COURSE OUTCOMES

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

- Identification of construction industry-specific safety hazards and effectively managing their risks of accidents.
- Preventing human injury/fatality and property damage associated with high-risk activities in construction projects with robust application of appropriate control measures as per local and international safety standards.
- Avoiding financial loss and legal consequences related to accidents and thereby minimizing execution costs and ensuring on-time completion of a project.
- Selecting the right contractors, developing their competency, monitoring & evaluating Safety performance, and ensuring accident-free work output from contractors.

## RESOURCE PERSON

Experts from both **Academic and Professional** domains will conduct the proposed short course. For details please visit: [dce.buet.ac.bd](http://dce.buet.ac.bd)

## DURATION

20 – 22 July 2023: 3 days  
(Thursday-Saturday)

## LANGUAGE

English and Bangla

## CERTIFICATE

Certificate of attendance will be provided.

## Short Course on Safety Management in Construction Industry

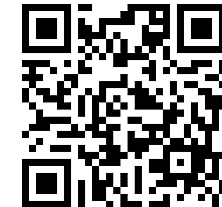


**20-22 July 2023**  
**BUET, Dhaka**

*Organized by*

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

**For registration in this course, please scan below**



The construction industry of Bangladesh is growing rapidly but unfortunately is characterized as one of the most hazardous industries of the country because of inadequate safety measures in place, causing frequent workplace accidents including serious injuries or fatalities to the construction workers, and even to external people. The major causes of these unexpected accidents are a lack of construction safety-related education, awareness, and sensitivity among the stakeholders related to a construction project, all together, with poor safety management. Ensuring effective implementation of safety measures at construction projects not only can save human lives but also can help to avoid financial loss or legal consequences, eventually leading to a successful and accident-free completion of a construction project.

This course intends to disseminate proper knowledge on safety hazards & risks and more importantly, local and international standards recommended measures essential to implement at construction sites, with an ultimate goal of preventing accidents and thereby helping the country's construction industry in attaining a healthy & safe workplace.

### WHO SHOULD ATTEND?

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

- Project Directors / Project Managers
- Construction Site Managers
- Project / Site Engineers
- Site Civil Supervisor
- Health & Safety Managers
- Project /Site Safety Officers
- Compliance Officers
- Graduates looking for Safety professional jobs

### PROGRAM OVERVIEW

#### Contents of the workshop are:

- Construction Safety: Scenario in Bangladesh
- How Safety Management benefits Construction Project
- Hazards and Risks in Construction Industry
- Risk Assessment and Control Measures
- Contractors Selection and Management
- Fall Protection & Prevention during Work at Height
- Scaffolding Safety Requirements
- Crane Operations & Lifting Safety
- Safety in Hot Work to Prevent Fire and Human Injury
- Electrical Works: Risks and Controls
- Excavation Safety Essentials
- Heavy Equipment and Vehicle Operations Management
- Emergency Management and Response
- Preventing Accidents through Safe Work Practices
- Group Exercise
- Road Work Zone Safety:
  - ✓ Concerns, Safety Concepts, and Global Practices
  - ✓ Critical Safety Issues in Bangladesh
  - ✓ Standard Templates
  - ✓ Hazard Identification for Existing/Ongoing Projects
  - ✓ Case Studies

### VENUE

Directorate of Continuing Education (DCE), 3<sup>rd</sup> 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

Registration Fee is to be paid in advance payable through Pay Order/Demand Draft (DD) in favor of **Director, BRTC, BUET** or electronically deposited at Savings **Account No. 4404034173888**, **Account Name:** Director, Directorate of Continuing Education (DCE) Sonali Bank Ltd., BUET Branch, Dhaka.

*Seats are limited and the selection procedure will be First Come First Serve basis.*

### REGISTRATION FORM

#### Short Course On Safety Management in the Construction 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 Oder/Demand Draft:**

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Signature: .....

Date: .....

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## Co-Ordinator's Biography

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**Dr. Md Asif Raihan** is an Assistant 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.

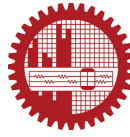
Furthermore, Dr. Raihan recently has won the 2022 Outstanding Paper Award by Transportation Research Board (TRB) Committee on Pedestrians ACH 10 – which is the highest nomination for any transportation researcher. His research interest includes application of data mining and machine learning algorithms 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.



**Engr. Asif Iqbal, CSP** is a prominent, well-experienced and international credentials holder HSE/Safety Professional and Corporate Trainer in Bangladesh. He is the country's 1<sup>st</sup> ever 'Certified Safety Professional (CSP)' awarded by the Board of Certified Safety Professionals, USA; a Chartered Member of Institution of Occupational Safety & Health (IOSH), UK based the largest global H&S professionals membership organization, and IOSH awarded the only 'Chartered Safety & Health Practitioner' in Bangladesh. Mr. Asif is accomplished with a long successful career working in some renowned global companies of manufacturing, pharma, energy and oil & gas industries; currently serves at Germany based engineering & energy company Siemens Bangladesh as 'Country Head of EHS & QM'. Earlier he worked at Chevron, Novartis, and Cemex in Operation, Engineering and Health, Safety & Environment (HSE).

During his career, Mr. Asif has availed the opportunity of getting extensive local and overseas professional trainings as well as international assignments in several countries. He also acted as an auditor in a number of prestigious corporate global HSE & QM compliance audits both at home & abroad. After graduating as a Mechanical Engineer from Bangladesh University of Engineering and Technology (BUET), Mr. Asif obtained his MBA from North South University, Dhaka. In addition of being a CSP and Chartered S&H Practitioner, he has also achieved a number of globally accredited H&S certifications, that includes NEBOSH IGC(UK), OSHA General Industry (USA), Certified Incident Investigator (Singapore), Certified HSE Practitioner (Chevron), Lead Auditor on ISO 45001:2018 (OHSMS) and ISO 14001:2015 (EMS) etc.

Apart from his profession, Mr. Asif actively supports country's industry professionals through disseminating his knowledge/expertise at multiple platforms as a Corporate Trainer / Resource Speaker with a goal of helping country's industrial sectors to gradually attain an acceptable level of 'Safe & Healthy Workplace'. He as well supports several companies of the country as an Occupational Safety Consultant. Mr. Asif also works as a Guest Faculty at IBA (Dhaka University) for some PGD Programs. Currently he is involved in a remarkable initiative jointly taken by Dhaka Chamber of Commerce & Industry, ActionAid and World Vision Bangladesh, to support country's private sectors in Disaster Risk Management.



**Short Course on**  
**SAFETY MANAGEMENT IN CONSTRUCTION INDUSTRY**  
**20-22 July 2023**  
**Directorate of Continuing Education (DCE)**  
**Bangladesh University of Engineering and Technology (BUET)**

**Program Schedule**

Day	Time	Event		
<b>Day-01</b>				
<b>20.07.2023 (Thursday)</b>	2:30 PM - 3:00 PM	<b>Registration</b>		
	3:00 PM - 3:15 PM	<b>Inaugural Ceremony</b>		
	3:15 PM - 4:15 PM	Lecture 1: <b>Course Overview, Construction Safety Scenario in Bangladesh</b>	<b>Engr. Asif Iqbal, CSP</b> Country Head of EHS & QM, Siemens Bangladesh	
	4:15 PM - 4:30 PM	<b>Tea Break</b>		
	4:30 PM - 5:30 PM	Lecture 2: <b>How Effective Safety Management Benefits Construction Project Execution</b>	<b>Engr. Asif Iqbal, CSP</b>	
	5:30 PM - 5:45 PM	<b>Prayer Break</b>		
	5:45 PM - 6:45 PM	Lecture 3: <b>Hazards &amp; Risks at Construction Industry and Causes of Accidents</b>		
	6:45 PM - 7:00 PM	<b>Tea &amp; Prayer Break</b>		
	7:00 PM - 7:45 PM	Lecture 4: <b>Risk Assessment and Control Measures</b>		
	7:45 PM - 8:30 PM	Lecture 5: <b>Contractors Selection and Management</b>		
<b>Day-02</b>				
<b>21.07.2023 (Friday)</b>	9:00 AM- 10:00 AM	Lecture 6: <b>Fall Protection &amp; Prevention during Work at Height</b>	<b>Engr. Asif Iqbal, CSP</b>	
	10:00 AM- 11:00 AM	Lecture 7: <b>Scaffolding Safety Requirements</b>		
	11:00 AM- 11:15 AM	<b>Tea Break</b>		
	11:15 AM- 12:45 PM	Lecture 8: <b>Crane Operations &amp; Lifting Safety</b>	<b>Engr. Asif Iqbal, CSP</b>	
	12:45 PM- 2:15 PM	<b>Lunch and Prayer Break</b>		
	2:15 PM- 3:00 PM	Lecture 9: <b>Safety in Hot Work to Prevent Fire and Human Injury</b>		
	3:00 PM- 4:00 PM	Lecture 10: <b>Electrical Works: Risks and Controls</b>		
	4:00 PM- 4:15 PM	<b>Tea Break</b>		



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**Program Schedule**

Day	Time	Event	
	4:15 PM - 5:00 PM	<b>Lecture 11: Excavation Safety Essentials</b>	
	5:00 PM - 5:15 PM	<b>Prayer Break</b>	
	5:15 PM - 6:45 PM	<b>Group Exercise</b>	
<b>Day-03</b>			
<b>22.07.2023</b> <b>(Saturday)</b>	2:30 PM- 3:15 PM	<b>Lecture 12: Heavy Equipment and Vehicle Operations Safety Management</b>	
	3:15 PM- 4:00 PM	<b>Lecture 13: Emergency Management and Response</b>	
	4:00 PM- 4:15 PM	<b>Tea Break</b>	
	4:15 PM- 5:00 PM	<b>Lecture 14: Preventing Construction Accidents through Safe Work Practices</b>	
	5:00 PM- 5:15 PM	<b>Prayer Break</b>	
	5:15 PM - 6:45 PM	<b>Lecture 15: Road Work Zone Safety:</b> <ul style="list-style-type: none"> <li>• Concerns, Safety Concepts and Global Practices</li> <li>• Critical Safety Issues in Bangladesh</li> <li>• Standard Templates</li> </ul>	<b>Engr. Asif Iqbal, CSP</b>
	6:45 PM -7:00 PM	<b>Tea &amp; Prayer Break</b>	
	7:00 PM - 8:15 PM	<ul style="list-style-type: none"> <li>• Hazard Identification for Existing/Ongoing Projects</li> <li>• Case Studies</li> </ul>	<b>Dr. Md Asif Raihan</b>
8:15 PM -9:00 PM	<b>Certificate Distribution and Closing Ceremony</b>		