



No. DCE-007(220/221/222/223/224)

Date: 03 February, 2024

Announcement for Short Courses Organized by the Directorate of Continuing Education (DCE), BUET.

Dear Sir/Madam

We have the pleasure of informing you that considering the national demand for professional development across various fields to develop skilled manpower in Bangladesh, the short courses below are going to be organized by Directorate of Continuing Education (DCE), BUET. on the **below dates**.

Highly qualified, professionally trained, reputed, and experienced resource persons in the related areas, having ample theoretical and practical knowledge and information have developed these short courses. The main aim of these courses is to share knowledge of present and upcoming challenges and opportunities of an organization considering contemporary challenges in various areas.

SL	Topics	Date	Fee (BDT)	Last Date of Registration
1	Safety Management in Construction Industry	01 - 03 March 2024 (3 days)	15,000/-	22 nd February 2024
2	Boiler Operation, Maintenance & Safety	08 - 10 March 2024 (3 days)	15,000/-	29 th February 2024
3	Electrical Safety Management for Home and Industry	26 - 28 April 2024 (3 days)	15,000/-	18 th April 2024
4	Boiler Operation, Maintenance & Safety	03 - 05 May 2024 (3 days)	15,000/-	25 th April 2024
5	Advanced Project Management	17-19 & 24-26 May, 2024 (6 days)	25,000/-	09 th May 2024

The registration fee is to be paid in advance, through Pay-Order or Demand Draft, in favor of “**Director, BRTC BUET, Dhaka**”. Registration fee may also be electronically deposited at Savings Account Number - **4404034173888** (Routing Number – **200270522**) Account Name: **Director, Directorate of Continuing Education (DCE), Sonali Bank Ltd., BUET Branch, Dhaka**. Course Fee includes all costs of printed course materials, exams & certificates, etc., and excludes VAT & TAX.

Seats are limited and application/nomination would be selected on a First Come First Serve basis. For more information, please contact **01303183113**, E-mail info@dce.buet.ac.bd, dirdce@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 these short courses.

Thank you

Prof. Dr. Mohammad Nasim Hasan

Director, Directorate of Continuing Education, BUET, Dhaka-1000

CONTACT

Director
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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, **213** short courses/training workshops have been offered to serve more than **10,500** professionals.

April 2024						
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				

SHORT COURSE OUTCOMES

At the end of the short course, participants will be able to:

- Understand the legal aspect of Electrical safety rules and regulations, codes and Standards: BNBC 2020, NFPA 70 (NEC) etc.
- Identify electrical hazards and risk, Know about the electrical earthing
- Understand lighting protection systems
- Understand General Requirements for Electrical Safety-Related work Practice: Operation and Maintenance
- Understand the Required Documentations /Test Instruments/ Ventilation/Measurements Equipment /First aid Kit

RESOURCE PERSON

Experts from the Department of Electrical and Electronic Engineering (EEE), BUET, Dhaka will conduct the main contents of the short course. In addition, expert professionals from several national and multinational companies will also demonstrate and share their experience in the program.

For details please visit: dce.buet.ac.bd

DURATION

26-28 April 2024: 3 days
(Friday, Saturday, and Sunday)

LANGUAGE

English and Bangla

CERTIFICATE

A certificate of attendance will be provided.

Short Course on Electrical Safety Management for Home and Industry

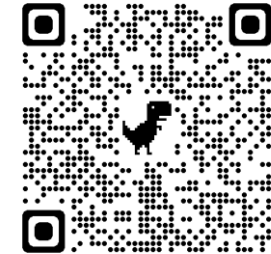


26-28 April 2024
BUET, Dhaka

Organized by

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

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



Nowadays everywhere in Bangladesh, electrical safety is a crucial issue. To prevent accidents and injuries caused by electrical hazards, both awareness buildup and remedial measures shall be taken. Design compliance, quality installation and maintenance works reduce the risk. So, the occupants should know the safety measures and protocols to prevent electrical accidents.

The course will cover necessary topics (please see program overview right) as well as electrical safety compliance analysis, most common electrical hazards at the workplace, electrical safe work practices, electrical isolation, conductive apparel and jewelry, electrical safety procedure and electrical safety interlocks.

This short course on Electrical Safety Management for Home and Industry organized by the Directorate of Continuing Education (DCE), BUET is designed to provide the participants with comprehensive knowledge on electrical safety management in the context of Bangladesh.

WHO SHOULD ATTEND?

This short course is designed for anyone who has an interest in electrical safety and needs to understand the fundamentals of electrical safety management. The following participants will get the most benefit from attending this short course:

- Entrepreneurs
- CEOs of small, medium, and large Organizations
- Electrical maintenance executives
- Electrical managers
- Operational managers
- Compliance manager
- Safety Manager
- Project Engineer
- Project Manager,
- Project Director
- Fresh graduates

PROGRAM OVERVIEW

Contents of the workshop are:

- Legal Aspects of Electrical Safety: Relevant Rules, Regulations, Codes and Standards
- Electrical Hazards Identification and Risk Assessment: Technical Audit
- Pinpointing Electrical Compliance Issues in Industrial Setting: Check List for Non/Compliance
- Electrical Hazards/Risk and Safety Management: Appreciation of Audit Reports, Remedial Actions
- System Earthing: General Requirements for Grounding and Bonding, Various Schemes
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- Lighting Protection Systems (LPS): Importance, and Options; Earthing for LPS
- General Requirements for Electrical Safety-Related work Practice: Operation and Maintenance

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, workshop kits, Printed comprehensive materials, refreshments, certificate etc.

PAYMENT

Registration Fee is to be paid in advance payable through

1. Pay Order/Demand Draft (DD) in favor 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)

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

Electrical Safety Management for Home and 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:



Short Course on Electrical Safety Management for Home and Industry

Organized by: DCE, BUET

26-28 April, 2024

Program Schedule

Date	Time	Event/Topic and Resource Person	
26.04.2024 (Friday)	08:30 AM- 9:00 AM	Registration	
	9:00 AM- 10:30 AM	Lecture 1: Legal Aspects of Electrical Safety: Relevant Rules, Regulations, Codes and Standards: BNBC 2020, NFPA 70 (NEC) etc.	Yeasir Arafat P.Eng., FIEB, SMIEEE Associate Professor, EEE, BUET
	10:30 AM- 11:00 AM	Tea Break	
	11:00 AM- 12:30 PM	Lecture 1: Legal Aspects of Electrical Safety: Relevant Rules, Regulations, Codes and Standards: BNBC 2020, NFPA 70 (NEC) etc	Yeasir Arafat P.Eng., FIEB, SMIEEE Associate Professor, EEE, BUET
	12:30 PM- 02:30 PM	Prayer and Lunch Break	
	2:30 PM- 4:30 PM	Lecture 2: Electrical Hazards Identification and risk Assessment: Technical Audit	Shahin Azad Technical Chief XOLAREN Bangladesh
	4:30 PM- 5:00 PM	Prayer and Tea Break	
	5:00 PM- 7:00 PM	Lecture 3: System Earthing: General Requirements for Grounding and Bonding, Various Schemes	Yeasir Arafat P.Eng., FIEB, SMIEEE Associate Professor, EEE, BUET
27.04.2024 (Saturday)	9:00 AM- 10:30 AM	Lecture 4: Pinpointing Electrical Compliance Issues in Industrial Setting: Check List for Non/Compliance	Yeasir Arafat P.Eng., FIEB, SMIEEE Associate Professor, EEE, BUET
	10:30 AM- 11:00 AM	Tea Break	
	11:00 AM- 12:30 PM	Lecture 5: Electrical Hazards/Risk and Safety Management: Appreciation of Audit Reports, Remedial Actions	Yeasir Arafat P.Eng., FIEB, SMIEEE Associate Professor, EEE, BUET
	12:30 PM- 1:30 PM	Lecture 5: Electrical Hazards/Risk and Safety Management: Appreciation of Audit Reports, Remedial Actions	Yeasir Arafat P.Eng., FIEB, SMIEEE Associate Professor, EEE, BUET
	1:30 PM - 2:30 PM	Prayer and Lunch Break	
	2:30 PM- 4:30 PM	Lecture 6: General Requirements for Electrical Safety-Related work Practice: Operation and Maintenance	Shahin Azad Technical Chief XOLAREN Bangladesh



Short Course on Electrical Safety Management for Home and Industry

Organized by: DCE, BUET

26-28 April, 2024

Program Schedule

Date	Time	Event/Topic and Resource Person	
27.04.2024 (Saturday)	4:30 PM - 5:00 PM	Prayer and Tea Break	
	5:00 PM- 7:00 PM	Lecture 7: Lighting Protection Systems(LPS): Importance, and Options; Earthing for LPS	Yasir Arafat P.Eng., FIEB, SMIEEE Associate Professor, EEE, BUET
28.04.2024 (Sunday)	2:30 PM-4:00 PM	Lecture 8: Required Documentation/Test Instruments/Verification/Measurements Equipment/First aid Kit	Shahin Azad Technical Chief XOLAREN Bangladesh
	4:00 PM-4:30 PM	Prayer and Tea Break	
	4:30 PM- 6: 00 PM	Lecture 9: Course Summary: Paths to Become a Licensed/Registered Profesional	Yasir Arafat P.Eng., FIEB, SMIEEE Associate Professor, EEE, BUET
	6:15 PM- 6:45 PM	Prayer Break	
	7:00 PM-8:00 PM	Certificate Award Ceremony and Dinner	

Trainer's Biography



Yeasir Arafat, P.Eng. is serving BUET as an Associate Professor of the Department of EEE. Just after obtaining his B.Sc. in EEE degree from BUET with Honors marks and securing place among the toppers, he joined the University as a Lecturer. Later, upon finishing M.Sc. in EEE, he was appointed as an Assistant Professor. His early school and college records in public examinations are also excellent (board stand). His research works includes electric power, renewable energy and power semiconductor devices. He has published around 37 research articles in peer reviewed journals and world-famous conferences. He is a contributor to BNBC-2020 (published in 2021).

He has received Certificates in - National Electrical Safety Code (NESC, USA), Fire Safety Audit, Safety Assessment Work in Industries, Fire Fighting, Drafting Code/Legislation for Hazardous Fire, etc. He is a registered Professional Engineer, Enlisted in ECPS as Electrical Engineer (DMINB # EE/C:61), Fellow of IEB, Senior Member of the Institute of Electrical & Electronics Engineers (IEEE, USA). At present, he is Board Member, Electricity Licensing Board, OCEI, MPE&MR, GOB, Chairman, Electric Wires and Cables Sectional Committee, BSTI, Enlisted Independent Engineer, IDCOL Renewable Energy Projects, General Secretary, Electrical Safety Forum, Bangladesh, and former Vice Chair (3 terms), Secretary, Treasurer (2 terms) of IEEE Bangladesh Section.

He has long experiences with Building Electrical Wiring, Lightning Protection and Earthing System (LPES), Fire Detection and Alarm System (FDAS), and Substation Design. He also has experiences of modeling, analysis and impact studies of electrical grid networks (National and Mini-grids): both conventional (including HVDC) and renewable energy, SCADA systems, etc. His major projects were: Padma Bridge Rail Link Project, Fleet Maintenance Facilities for Bangladesh Coast Guard, HQ of Bangladesh Digital Security Agency, 40-Storeyed Investment Corporation of Bangladesh (ICB) Tower, 13 Fertilizer Buffer Godowns of BCIC, Technical Audit of Solar PV Systems, IDCOL, Pre-Feasibility Study of 100 MWP PV Power Plant (Air Force), LPES for 350 Bigha Factory Premises of N. R. Group, 45 kW and 43 kW Solar Mini Grid in Cox's Bazar funded by United Nations HCR, Power Plant Simulator (PPS) for PSCDP project of Ministry of PE&MR, French-German Embassy at Dhaka, "Comprehensive Study on Bangladesh Power System to Formulate an Appropriate Frequency Setting, Blackout Prevention and Islanding" for PGCB, System Loss Improvement in BEPZs, Feasibility Study of Electricity Cogeneration in Sugar Mills etc., and many more (around 80 projects).

Yeasir Arafat is also a Public Procurement expert. He has delivered more than 30 Keynote/Invited Talks at home and abroad. For professional purposes/works, he has visited China, Indonesia, Malaysia, Qatar, Singapore, Thailand, UAE, USA etc. countries and received trainings on - Integrated Energy & Power Systems, Nuclear and Coal Power, PV Technology on/off Grid Applications, Smart Grid and Vehicular Technology, Data Privacy and Security, Program Management, Developing Soft Skills for Leadership, Strategy, Tactics & Best Practices, Code of Conduct, Conflict of Interest, Antitrust and Fair Competition, Sanctions, Embargoes, Export Controls Anti-Boycott Laws, Professional Ethics, Industry Perspective of Leadership, and Communication Skills etc.

He appears in national TVs and gives public awareness talks/interviews, and participates in panel discussions.

Trainer's Biography



Shahin Azad, the Technical Chief at XOLAREN, brings over 16 years of expertise to the table, specializing in engineering, safety, environmental sustainability, and renewable energy within the industrial sector.

With a Master of Economics in Development Economics, a M.Sc. in Renewable Energy from the University of Dhaka, and a B.Sc. in Electrical & Electronic Engineering from Bangladesh University of Engineering & Technology (Dec 2007), Mr. Azad's educational background complements his extensive professional experience.

Additionally, he has undergone specialized training in 'Capacity Building of EPCs & LIEs, Bangladesh' by Intech, GOPA, Germany, and 'Solar Project Financial Analysis' by PDP, GIZ, Bangladesh, and Federal Ministry for Economic Affairs and Energy, Germany.

Mr. Azad's illustrious career spans across various esteemed organizations. Before joining XOLAREN, he served as the Operations Chief of Navana Renewable Energy Limited. Role in the Bangladesh ACCORD Foundation (now it is RSC) as the Chief Electrical Safety Engineer (HoD) has extensive experience in working on large scale Operation of ACCORD for ensuring safety in more than 1700 factories, on Safety regulatory issues and worked extensively with National Safety Regulators in Bangladesh.

He also worked for BGMEA as Deputy Secretary, and Program Team Leader of a GIZ Funded project. Working with SIEMENS, TETRA PAK (Sweden) was his foundation on safety and sustainability with a global standard.

Throughout the professional life, Mr. Shahin Azad is involved with so many professional organizations as members, and achieved a some certificates multiple entities as Certified Energy Auditor, (AEE, USA), Certified electrical Safety Auditor (GIZ, Germany), Certified Investment grade Energy Auditor (GIZ), Solar project developer (Federal Ministry for Economic Affairs and Energy, Germany), Electrical System Design, Safety & Energy Efficiency (ARUP, Ireland), Solar project Financial Analysis (PDP, GIZ, Bangladesh and Federal Ministry for Economic Affairs and Energy, Germany)