

CONTACT

Director, Directorate of Continuing Education (DCE)

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Course Coordinator

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***BUET weekly holidays are Thursday & Friday.**

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, **255** short courses/training workshops have been offered to serve more than **11,500** professionals.

JULY 2026						
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	

Short Course Outcomes

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

- Understand the fundamentals of pump operation and fluid dynamics.
- Identify various types of pumps and their industrial applications.
- Learn methods for proper pump selection based on system requirements.
- Analyze performance parameters like flow rate, pressure, and efficiency.
- Troubleshoot common pump issues, such as cavitation and vibration.
- Conduct preventive maintenance, including inspections and lubrication.
- Perform corrective maintenance, including component repairs and replacements.
- Identify early warning signs of pump wear or failure.

RESOURCE PERSON

Experts from both **Academic and Professional** domains will conduct the proposed short course.

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

Registration Deadline

22 June 2026 (Monday)

LANGUAGE

English and Bangla

CERTIFICATE

A certificate of attendance will be provided.

Short Course On

Pump Operations, Maintenance and Testing



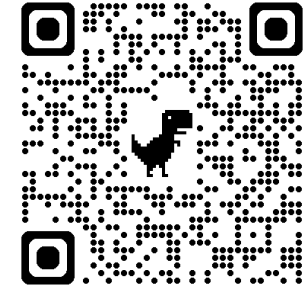
BUET, Dhaka

3-5 July 2026

Organized by

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

[Register Here!](#)



Pumps are essential components in various industries, enabling efficient fluid movement for diverse applications. Proper pump operation requires skilled personnel to monitor flow rates, pressure, and power consumption, ensuring optimal performance. Routine maintenance, including inspections, lubrication, and part replacements, is crucial for maximizing pump efficiency, extending lifespan, and preventing failures. Safety measures, such as pressure relief devices and system controls, minimize operational risks. Adherence to safety standards and regular audits ensures compliance, while training staff on pump operations, maintenance, and emergency protocols enhances reliability and safety. Elevate your expertise in pump operation, maintenance, and safety by enrolling in the **Short Course by DCE, BUET**. 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.

Don't miss this opportunity to boost your professional growth. **Register now!**

WHO SHOULD ATTEND?

This Short course is targeted to a wide range of professionals working in pump operation, maintenance selection, testing and commissioning and will greatly benefit:

- Facility & Utility Engineers
- Operation Personnel
- Maintenance and Troubleshooting Personnel
- High Pressure Pumps Operators
- Supervisors & Technicians
- Team Leaders
- Enthusiasts & Mentors

PROGRAM OVERVIEW

Contents of the workshop are:

- Function of Pump, Fluid Properties and Major Components
- Category, Rotary, Reciprocating Pumps and Pump Staging,
- Pump Design, Selection, Specific Pump.
- Pump Performance, Cavitation, NPSH, System Curve and Best Operating Condition
- Submersible Pump, Scaling and Maintenance
- Hands on training of Centrifugal and Submersible Pump.

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. **Excludes VAT & TAX**

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 Pump Operations, Maintenance, and Testing DCE, BUET

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

Registration Batch No:

Name:

Affiliation:

Company Name:

Address:

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
Pump Operations, Maintenance, and Testing

DCE, BUET

03-05 July 2026

PROGRAM SCHEDULE (Tentative)

Day	Time	Topics	Resource Person
03 July 2026 Friday	8:30 AM-9:00 AM	Registration	
	9:00 AM-10:30 AM	Lecture 01: Properties of Fluid & Manometry	Prof. Dr. Mohammad Ali Department of Mechanical Engineering BUET
	10:00 AM-11:00 AM	Tea Break	
	11:00 AM-12:30 PM	Lecture 02: Function of Pump, Major & Minor Losses	Prof. Dr. Mohammad Ali Department of Mechanical Engineering, BUET.
	12:30 PM-2:30 PM	Prayer and Lunch Break	
	2:30 PM-4:00 PM	Lecture 03: Working Principle, Function of Different Components	Prof. Dr. Mohammad Mamun Department of Mechanical Engineering, BUET.
	4:00 PM-4:15 PM	Tea Break	
	4:15 PM-5:45 PM	Lecture 04: Pump Design, Specific Pump, Scaling Law	Prof. Dr. Mohammad Mamun Department of Mechanical Engineering, BUET.
04 July 2026 Saturday	9:00 AM-10:30 AM	Lecture 05: Classification of Pumps and Their Applications	Prof. Dr. Mohammad Ali Department of Mechanical Engineering, BUET.
	10:30 AM-11:00 AM	Tea Break	
	11:00 AM-12:30 PM	Lecture 06: Pump Performance, Cavitation	Engr. Abdul Halim Director, Milnars Pumps Limited
	12:30 PM-2:00 PM	Prayer and Lunch Break	
	2:00 PM-4:00 PM	Lecture 07: Hands-on Experience in Centrifugal Pump (Fluid Lab, ME)	Prof. Dr. Mohammad Ali, Prof. Dr. Mohammad Mamun Department of Mechanical Engineering, BUET.
4:00 PM-4:15 PM	Tea Break		



Short Course on
Pump Operations, Maintenance, and Testing

DCE, BUET

03-05 July 2026

PROGRAM SCHEDULE(Tentative)

Day	Time	Topics	Resource Person
	4.15 PM-5:45 PM	Lecture 08: Discussion on Pump Performance	Prof. Dr. Mohammad Ali, Prof. Dr. Mohammad Mamun Department of Mechanical Engineering, BUET.
05 July 2026 Sunday	9.00 AM-10.30 AM	Lecture 09: Pump Staging, NPSH, System Curve	Prof. Dr. Mohammad Ali Department of Mechanical Engineering, BUET.
	10.30 AM-11.00 AM	Tea Break	
	11.00 AM-1.00 PM	Lecture 10: Hands-on Experience in Submersible Pump (Fluid Lab, ME)	Prof. Dr. Mohammad Ali, Prof. Dr. Mohammad Mamun Department of Mechanical Engineering, BUET.
	1:00 PM-2:30 PM	Prayer and Lunch Break	
	2.30 PM-4.00 PM	Lecture 11: Pump Selection and Best Operating Condition	Prof. Dr. Mohammad Mamun Department of Mechanical Engineering, BUET.
	4.00 PM-4.15 PM	Tea Break	
	4.15 PM-5:30 PM	Lecture 12: Pump Maintenance and Operational Safety	Engr. Abdul Halim Director, Milnars Pumps Limited
	5:30 PM-6.00 PM	Prayer Break	
	6.00 PM-6.30 PM	Certificate Awarding	