



# Engineering Staff College, Bangladesh (ESCB)

(An Autonomous Body of the Institution of Engineers, Bangladesh)





Inauguration Ceremony of Technical Foundation Course of RHD



# At a Glance

- Engineering Staff College, Bangladesh (ESCB) was established in May 2001 by the premier and apex body of professional engineers of the country, the Institution of Engineers, Bangladesh (IEB).



ESCB City Campus



ESCB Main Campus

- The primary objectives of ESCB are to impart professional and need-based continuing education and training in frontier areas of
  - Engineering
  - Management
  - Technological Fields
  - Providing professional consultancy and technical & management services to the Industry and relevant organizations.



# VISION

To provide comprehensive, integrated training, continuing education and orientation programs to practicing engineers and related professionals in all fields of Engineering, Management and Technology. To establish and maintain Professional excellence in Engineering, Information Technology, Management of Finance and related aspects with sharing information with other entities, institutions & professional bodies.



# MISSION

To perform as the center of Excellence for Continuing Professional Development. To bring the latest technologies and engineering practices available in the world and disseminate the same to our professionals.

# Board of Governors of the Engineering Staff College, Bangladesh (ESCB)

The Composition of the Board of Governors of Engineering Staff College is as follows:

## a) **Chairman:**

The President of the Institution of Engineers, Bangladesh (EX-Officio).

## b) **Member (EX-Officio):**

- i) Vice-President (Human Resources and Development), IEB
- ii) Vice-President (Administration & Finance), IEB
- iii) Honorary General Secretary, IEB
- iv) Rector, ESCB

## **Member**

- i) Two representatives one from each of the following departments not below the rank of Additional Secretary:
  - (a) Technical Education Department, Ministry of Education,
  - (b) Ministry of Housing & Public Works
- ii) Four representatives from private and public sectors to be nominated by the council, amongst them one should be from a non engineering organization.
- iii) Two Corporate Members to be nominated by the council (having good academic record and professional Experience) who shall have been a Fellow of the Institution.
- iv) Two Academicians not below the rank of professor
- v) Five representatives from the following Professional bodies/ Institutions/Associations, one representative from each of the following organizations:
  - President, Institute of Chartered Accountants, Bangladesh.
  - President, Federation of Bangladesh Chamber of Commerce and Industries.
  - President, Bangladesh Medical Association.
  - President, Supreme Court Bar Association.
  - President, Krishibid Institution, Bangladesh.

# Key Professionals



**Prof. M. A Hannan**  
Adviser, ESCB



**Prof. Dr. Engr. M. Monowar Hossain**  
Rector, ESCB  
Ex-Professor, BUET  
Ex-Executive Director, IWM



**Md. Ashrafal Alam**  
Dean  
Ex-Chief Engineer, RHD



**Md. Afil Uddin**  
Team Leader, DIMAPPP (LGED Part)  
Ex-Addl. Chief Engineer, RHD



**Md. Zakir Hossain**  
Senior Trainer, ESCB  
National Trainer of Public Procurement,  
CPTU, IMED  
Ministry of Planning



## **Prof. Dr. M. Monowar Hossain** **Rector, ESCB**

Prof. Dr. M. Monowar Hossain has joined Engineering Staff College, Bangladesh (ESCB), as Rector on January 19, 2021. Prior to his present position, he was the Executive Director, Institute of Water Modelling (IWM)-a Trust Organization under the Ministry of Water Resources, GOB (From March 30, 2011 to January 08, 2020). Earlier, he served as Professor at Bangladesh University of Engineering & Technology (BUET), Dhaka (From 30 April 1976 to 29 March 2011). He held a number of significant positions while working at BUET, such as Head of the Department, Dean-Faculty of Civil Engineering, Director of Students' Welfare, Member of Syndicate, Member of Board of Governors, Director of Physical Education, various Committee members etc. . He has research and teaching experience in other Universities in Bangladesh and abroad. He worked at TU Delft, the Netherlands, University of Washington, and Tufts University in USA and with International Organizations.

Besides, Prof. Hossain worked in many high level government and non-government committees on water and Civil Engineering sectors. He worked as member of National Water Resources Council (NWRC) headed by Honorable Prime Minister, Government of the Peoples' Republic of Bangladesh during 1996-2001 & 2009-2014 period. He was also a member in the Executive Committee of NWRC headed by Honorable Water Resources Minister, GOB during that period. Prof. Hossain worked

as member of Joint Rivers Commission, Bangladesh and participated in a number of meetings headed by honorable Water Resources Minister & Secretary of GOB during 2009-2012 period. He visited Tipaimukh dam with the Parliamentary Committee of GOB as a Technical team member in 2009. He worked as Member of Board of Governors of BWDB and RRI.

Prof. Hossain has achieved BSc Engg (Civil) degree in 1976 from Bangladesh University of Engineering and Technology (BUET), Dhaka; M.Sc. Engg. (Water Resources) from BUET and Ph.D. in Civil Engg. (Hydraulics) from University of Strathclyde, Glasgow, U.K. in 1984 on a Commonwealth Scholarship.

Prof. Hossain is a life Fellow of Institution of Engineers, Bangladesh and was elected as Central Council member of IEB for two terms and worked in various Committees formed by IEB.

He is a life member of NOAMI, BAAS and is member of a number of International professional bodies including Member of ASCE (international group), IAHR, and IAHS.



# Training Units

PROCUREMENT  
UNIT

IT TRAINING  
UNIT

ENGINEERING  
&  
MANAGEMENT  
UNIT

**A total of 70 officers and staff working rigorously  
to ensure quality services in respective domains...**

# Service Offered by ESCB Include but Not Limited to:

**1. Arrangement of Training Courses pertaining to multifarious disciplines**

**2. Advisory/Consulting Services**

ESCB organizes training courses in various special fields for skill development of personnel to enable them enhance their creative problem solving ability.

## Some of the notable training courses are as follows:

- 3 Weeks long training on PPA & PPR for Public/Private Entities.
- Short training on PPA & PPR for Public/Private Entities.
- Customized Training courses on PPA & PPR for Corporate Officials.
- Electronic Government Procurement (e-GP)
- FIDIC (International Federation of Consulting Engineers) Contract (WB, ADB, JICA edition)
- Contract Management Training
- Project management Training
- Arbitration Training

## ESCB is an Approved Study Center of CIPS (UK)

- Office Management
- Basic Fundamentals Analysis of Financial Markets
- Training on IT & VAT

- IEB Certified LAN & WAN Administrator (Module-I, II & III)
- Developing Management Information System (MIS) in PHP/ MYSQL Track (Module-A, B & C)
- Certificate in LAN & WAN Administrating with Windows 2012 Server
- Certificate in LAN & WAN Administrating and ISP Setup with LINUX (Module-I & III)
- Linux System Administrator and Mikrotik? Router (Module- III)
- RDBMS Programming with Oracle 10g & Developer 10g
- Mail Server Administration
- Networking (LAN & WAN) & System Administrating with Windows 2012 Server (Module-II)
- Hardware Maintenance, Trouble Shooting & Network Essentials (Module-I)

- Computer Fundamentals, Windows 10 & MS Office 10
- AutoCAD (2D)
- AutoCAD (3D), SKETCHUP (3D), (Modeling), VRAY (Day & Night Rendering and PHOTOSHOP (Post Production)
- Computer Ethical Hacking
- Forensic Investigation of Computer Hacking
- REVIT Architecture
- Geographic Information System (GIS), Using AutoCAD Map, ArcInfo & ArcView
- Website Design and Development (Module-A)
- Web Programming PHP and Apache/IIS with Windows/Linux (Module-B)

- MYSQL (Module-C)
- Programming with Visual Basic.Net
- JAVA Programming
- Tekla Software for Civil Engineers.
- Practical Networking with Wireless LAN (Project Oriented)
- Content Management System using Wordpress & Joomla.
- Chart Analysis/Technical Analysis using Elliott Wave Principle
- CCNA Routing and Switching (200-120)
- 3D Studio MAX with render + Photoshop (Post Production)
- Computer Fundamentals & E- filling (Off line)
- Analysis & Design of Steel Structures using STAAD Pro.
- Data Analysis and Management Using (Cs Pro and SPSS)
- Photoshop + Illustrator

- Computer Aided Analysis and Design of Buildings & Foundation and Slab using ETABS and SAFE software together
- Electrical Services for Buildings and Industries
- Operation, Maintenance & Trouble Shooting of Electrical Machines
- Managing Project using Microsoft Project 2016
- Introduction to Building Construction Regulations and Bangladesh National Building Code (BNBC)

- Subsoil Investigation
- Plumbing Technology
- Managing Projects Using PRIMAVERA P6 (V-18.8 Latest Version)
- Advanced PLC Course (Siemens S7 – 300 PLC)
- Computer Aided Analysis and Design of Civil Engineering Structures using STAAD.Pro Software
- Programmable Logic Controller (PLC) and Distributed Control System (DCS) for industrial automation
- Captive Power Generation
- IoT & Embedded System

- Seismic Design and Construction of RC Structures (Design and Construction of Earthquake Resistant Structures)
- Rajuk Imarat Nirman Bidhimala and FAR Calculation
- Fire Fighting System (FFS), Fire Detection System (FDS) & Fire Safety Assessment (FSA)
- Fire Safety in Building
- Heating, Ventilation and Air Conditioning (HVAC) Systems
- Industrial Instrumentation and Control Engineering
- Occupational Safety, Health & Environment Management (OHEM)
- Pile Foundation : Design and Construction

**ESCB has been identified as the prime institution for Training on Public procurement management at the National level.**



## **ESCB has been recognized as a trusted partner of different Govt. agencies in implementing various Training and Capacity Development Projects, such as:**

ESCB has been recognized as a trusted partner of different Govt. agencies in implementing various Training and Capacity Development Projects, such as:

Agencies' Name	Project Name/ Training Title	Funded By	Number of Trainees	Contract Amount (Tk.)
Central Procurement Technical Unit (CPTU)	Digitizing Implementation Monitoring & Public Procurement Project (DIMAPPP)	World Bank	3,965	39,42,44,870.20
Local Government Engineering Department (LGED)	Digitizing Implementation Monitoring & Public Procurement Project (DIMAPPP)-LGED Part	World Bank	10,434	23,70,27,269.00
Local Government Engineering Department (LGED)	National Resilience Programme (NRP)-LGED Part	United Nations Office for Project Services	295	1,23,43,959.50
Ministry of Education	College Education Development Project (CEDP)	World Bank	310	1,16,65,194.00
Education Engineering Department (EED)	Foundation Training for Asst. Engineers & Sub-Asst. Engineers of EED	Govt. of Bangladesh	216	1,67,73,672.50
Roads & Highways Department (RHD)	Foundation Training for Asst. Engineers of RHD	Govt. of Bangladesh	86	1,58,18,028.50

# Existing Facilities

## A. City Campus (Location: IEB H/Q, Ramna, Dhaka)

1. 4 well-equipped Air Conditioned Class room/  
Computer labs with latest audio-visual training  
Support facilities
2. Dining Room with catering services
3. Separate prayer room for female participants

**Capacity (Participants)**  
4X30= 120 nos.

## B. Main Campus [Location : Char Bausia, Gazaria, Munshiganj (40 km from Dhaka City)]

1. 6 well-equipped Air Condition Classroom/  
Computer labs with latest audio-visual training  
Support facilities
2. Well-equipped Residential Accommodation  
(4 Dormitories) with full air conditioning,  
Geyser facilities, Wi-fi internet connectivity  
and Laundry facilities
3. Dining facility with full time catering services.
4. Sports and Recreation facilities
  - Library
  - TV/News Paper Room
  - Football/ Basketball/ Lawn Tennis Ground
  - Badminton/Cricket facilities/ Volleyball/  
Snooker facilities

**Capacity (Participants)**  
190 nos.

5. Conference room

**Capacity (Participants)**  
50 nos.

6. Special Accommodation for Breast feeding  
Mothers and participants with minor Children.

2 Nos. Apartment

# Some Glimpses of Training activities at ESCB Campuses



4-Storeyed Dormitory Building at ESCB Main Campus



Certification Ceremony of Basic Procurement Training organized by ESCB for CPTU, IMED. Honorable DG, CPTU Mr. Mohammed Shoheler Rahman Chowdhury (Addl. Secretary, GoB) is seen handing over certificates to the participants.



Training session of Basic Procurement Training at  
ESCB Main Campus



Training session of Basic Procurement Training at  
ESCB City Campus





Participants of Foundation Training undergoing Physical training at ESCB Main Campus



Participants of Foundation Training undergoing Surveying fieldwork at ESCB Main Campus



Participants of Foundation Training enjoying a Cultural night at ESCB Main Campus



Certification Ceremony of Basic Procurement Training in presence of Mr. Richard Lorenz, Team Leader, DIMAPPP-CDP



Crest Awarding Ceremony



Opening Session of Technical Foundation Training





Contract Signing Ceremony with LGED



Training Session at city campus





Participant's Photo Session at city campus



Traning session at city Campus



Foreign experts conducting training sessions at ESCB



Closing Ceremony of Public Procurement Management Training Course arranged for officers of Bangladesh Armed Forces at ESCB



Some Glimpses of the Contract Signing Ceremony of Digitizing Implementation Monitoring and Public Procurement Project (DIMAPPP) with CPTU officials where ESCB worked in collaboration with ITC-ILO

### **Work Experience with International Organizations/International Bodies:**

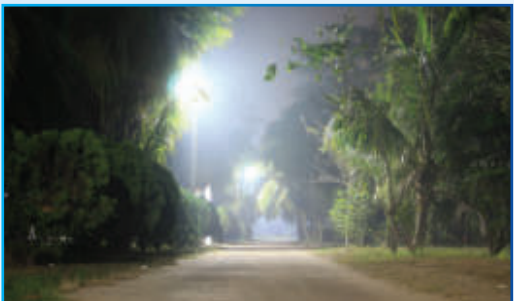
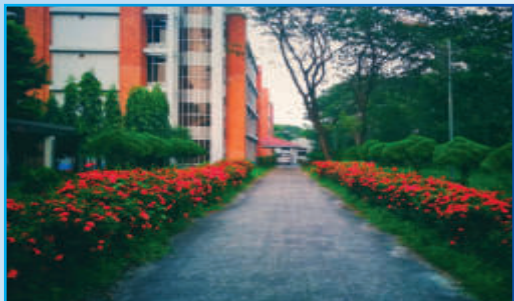
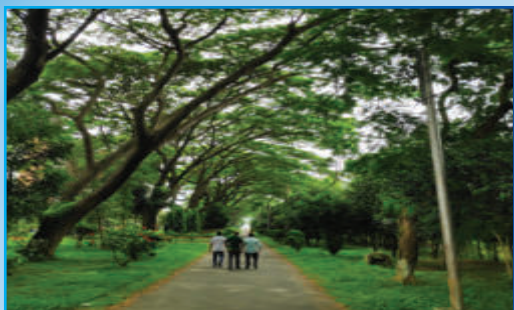
1. World Bank Group
2. United Nations Office for Project Services (UNOPS)
3. International Training Center for the ILO (ITC-ILO)
4. Japan International Cooperation Agency (JICA)
5. Department For International Development (DFID)
6. FINEUROP
7. USAID

### **Major Clients of ESCB:**

1. Central Procurement Technical Unit (CPTU), IMED, Ministry of Planning
2. Local Government Engineering Department (LGED)
3. Education Engineering Department (EED)
4. Health Engineering Department (HED)
5. Directorate of Secondary & Higher Education (DSHE)
6. Roads & Highways Department (RHD)
7. Department of Public Health Engineering (DPHE)
8. Bangladesh Economic Zones Authority (BEZA)
9. Directorate General of Family Planning (DGFP)
10. Bangladesh Army
11. Bangladesh Navy
12. Dhaka North City Corporation
13. Dhaka South City Corporation



## Serene beauty of ESCB Main Campus:



**ESCB Main Campus situated at a very convenient location besides Dhaka-Chittagong Highway on the banks of river Gomoti encompassing a land of 25 acres.**



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