

MEC: Department of Civil Engineering

Tahia Rabbee

Department of Civil Engineering of Mymensingh Engineering College; one of the leading engineering colleges in the country starts its journey in 2015, where we provide quality academic programs in a welcoming, goal oriented and inclusive environment. We have a team of dynamic and well-qualified faculty who ensure quality education. Our main objective is to build up the next generation of young and enthusiastic civil Engineers who expected to have a better understanding and can develop innovative engineering solutions to address civil engineering challenges for sustainable development of the environment and the infrastructure. We are on the exciting journey of making our world a better place to live in, focusing on the following areas:

DISCIPLINE AREAS

• STRUCTURAL ENGINEERING

Design, analysis, earthquake-susceptibility and construction of all kind of structures such as buildings, bridges, dams, pipelines, industrial, tunnels etc. Ensure the safety and integrity of these structures under various loads and environmental conditions.

• GEOTECHNICAL ENGINEERING

Study of soil mechanics and foundation engineering to investigate and determinate the properties of subsurface conditions and materials and to design corresponding earthworks and retaining structures, tunnels, and structure foundations, and risk assessment and mitigation of natural hazards like earthquakes, etc.

• TRANSPORTATION ENGINEERING

Plan, design, and maintain transportation systems, including roads, highways, railways, airports, & public transit. They aim to optimize the flow of people and goods.

• ENVIRONMENTAL ENGINEERING

Focuses on wastewater management, water and air pollution control, recycling, waste disposal, and public health. Design municipal water supply and industrial wastewater treatment systems and design plans to prevent waterborne diseases and improve sanitation in urban, rural and recreational areas. They evaluate hazardous-waste management systems.

• WATER RESOURCE ENGINEERING

Design of hydraulic structures such as bridges, dams, channels, canals, levees and dams, water distribution networks including both domestic and fire water supply, distribution and automatic sprinkler systems, water collection networks, sewage collection networks, storm water management, sediment transport, irrigation and flood control.

DEGREES OFFERED

The Department of Civil Engineering offers a 4-Year B.Sc. in Civil Engineering course which contains a total of 160 credit hours.



Tahia Rabbee

Lecturer & Head (In-charge)
Department of CE, MEC

LABORATORIES:

The Department has eleven well-equipped laboratories, containing modern, automated machineries to facilitate 4IR based Research and Innovation. They are: *Hydraulics Lab, Structural Engineering Lab, Geotechnical Engineering Lab, Transportation Engineering Lab, Environmental Engineering Lab, Computer Lab, Mechanics of Solid Lab, Surveying Lab, Workshop & Welding Lab, Engineering Drawing Lab and Engineering Materials Lab.*

CLASSROOMS AND LECTURE HALLS:

- Advanced multi-media classrooms with audio-visual aids to facilitate effective teaching and learning through presenting PowerPoints, e-book, animations and simulations.

LIBRARY:

- Houses a vast collection of textbooks, reference books, and research journals to support academic and research activities.

SEMINAR & CONFERENCE ROOM:

- Well-furnished Seminar and Conference room with multi-media, sound system and all other amenities.

WI-FI AND IT INFRASTRUCTURE:

- Ensures connectivity and access to online resources for students and faculty.



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Students working in Geotechnical Engineering Lab



Students after finishing Surveying Lab

ACHIEVEMENTS & ACTIVITIES

INDUSTRY-ACADEMIA LINKAGE

4th year students of Civil Engineering department enjoys the facility to have industrial attachment with renowned institutions like: Roads & Highways Department, Local Government Engineering Department, Public Works Department, Housing & Building Research Institute etc.



Students of Civil Engineering Department at Closing Ceremony of their Industrial Attachment in Roads & Highways Department Head Office, Tejgaon, Dhaka.



Students of Civil Engineering Department at closing ceremony of their Industrial attachment in LGED, Mymensingh.

RESEARCH AND PUBLICATIONS

Faculty and Students of this department engage themselves in various research activities besides academic works. Every year significant amount of students participate and published their research work in well-known International Conferences and peer-reviewed International journals like ICCESD, ICACE, ICERIE, Atlantis Press Proceedings, Springer Nature etc. Students relish substantial research grants from authority which cover their publication fees or registration fees, transportation costs etc.

ALUMNI SUCCESS STORIES:

Alumni of MEC Civil Engineering Department are strong. They are achieving their desired position in home and abroad efficaciously. They are keeping their footprints on both government and private job sectors successfully and many of them are pursuing their higher studies in abroad with International scholarships like: Monbukagakusho scholarship, DAAD scholarship, AUSAID Scholarship, ERAS- MUS MUNDUS scholarship, Fulbright scholarship etc.



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Students Conducting their Surveying Lab

CIVIL DAY & OTHER NATIONAL COMPETITIONS:

Every year Department arranges “Civil Day” program in which workshop or seminar for students, different civil engineering design competitions, truss challenge, poster presentations etc. among students takes place following with an award giving ceremony and cultural gala night.

Promising team of civil engineering students of MEC also take part in different national competitions every year held in other campuses like BUET, MIST, IUT etc. with enormous success.



Construction Site Visit of 2nd Year students with faculty members