



NEWS BULLETIN

BRIDGING ACADEMIA & ECO-MONITORING: GCU CIVIL ENGINEERING STUDENTS VISIT POLLUTION CONTROL BOARD



AZARA, February 22: The Department of Civil Engineering of Girijananda Chowdhury University (GCU), Guwahati, organized an industrial visit to the Pollution Control Board Central Laboratory at Bamunimaidam, Guwahati, on February 11, 2025. The purpose of this industrial visit was to educate B.Tech 6th semester students about environmental laws, methods of pollution control and its monitoring. A total of 60 students accompanied by Mr. Bhaskar Jyoti Medhi (Assistant Professor), Ms. Monalisha Gautom (Assistant Professor) and Mr. Rashidul Alam (Assistant Professor) from the Civil Engineering Department at GCU visited the board.

The Central Laboratory, which consists of five sections—Water, Wastewater, Bacteriology, Bio-monitoring & Bioassay, and Air—was visited by the students. This laboratory serves as the Board's referral laboratory and is furnished with advanced instruments for the examination of water, air, and solids for all potential contaminants. Chief Env. Scientist, Dr. Gautam Krishna Misra and other scientists of the board explained to the students the importance of pollution control, its impact on the environment, and the measures taken to reduce pollution. They talked about how industry, automobiles, and human activity contribute to environmental deterioration. The scientists also emphasized how the Pollution Control Board keeps an eye on pollution levels, enforces laws, and encourages environment friendly behaviour. They urged the students to embrace environmentally responsible practices such as cutting back on plastic use, saving water, and planting trees in order to contribute to environmental preservation. The Pollution Control Board, Bamunimaidam, Guwahati, has our sincere thanks for their vital assistance in making our visit a success.



The team of students and faculty members of GCU Civil Engineering Department at the Pollution Control Board Lab, Bamunimaidam, Guwahati.



NEWS BULLETIN

HANDS-ON TRAINING ON GOVERNMENT CONSTRUCTION SUPERVISION @GCU



AZARA, February 22: On 12th February 2025, the Department of Civil Engineering at Girijananda Chowdhury University organized a hands-on training session on "Supervising and Recording Measurements of Government Building Projects." The session was conducted by Mr. Gitartha Kalita, Asst. Engineer at PWD, Kaliabor and Barhampur Territorial Building Division, Kaliabor.

The session aimed to bridge the gap between academic learning and practical knowledge required for government engineering jobs. Key topics covered included site measurement recording using a Measurement Book, preparing abstracts, comparative statements, deviation reports, and working estimates. The importance of verifying NOCs, BOQs, work orders, and material certifications was also emphasized.

Students gained practical insights into site supervision, measurement documentation, and the responsibilities of engineers in government projects. The session was highly informative, equipping students with essential skills for future roles in public sector construction and project management.



Ms. Monalisha Gautom and Ms. Anvesha Gayan addressing the gathering during the inaugural session.



Mr. Gitartha Kalita being felicitated by Ms. Anvesha Gayan.



Insights into Engineering Practice: Mr. Gitartha Kalita, Asst. Engineer at PWD, Kaliabor, explaining measurement documentation to students.





NEWS BULLETIN

INDUSTRIAL FIELD VISIT TO CHAYGAON HIGHLIGHTS ADVANCED EROSION CONTROL TECHNIQUES



AZARA, February 22: On 10th February 2025, final-year B.Tech students of the Civil Engineering Department visited the Chaygaon Riverbank Protection site under the Water Resources Department and Brahmaputra Infrastructure Limited. The visit aimed to study erosion control techniques like stone pitching and geo-bag usage. Experts at the site explained the challenges posed by river currents and seasonal flooding, which necessitate continuous reinforcement measures to protect the banks. During the visit, various protection techniques were observed, including stone pitching and the use of geo-bags, dry bags and wet bags. Stone pitching involves placing layers of stones along the slope of the riverbank to prevent soil erosion, while geo-bags filled with sand and strategically placed, help to absorb water pressure and reduce the impact of river currents.

The field visit was led by Mrs. Anwesha Gayan (Assistant Professor, Civil Engineering Department) and Dr. Pallab Jyoti Das (Assistant Professor, Civil Engineering Department) and it proved to be highly informative, since it provided a comprehensive understanding of riverbank protection strategies. Observing these techniques in real time allowed for a better appreciation of their practical application in mitigating erosion.



The team from Dept. of Civil Engineering, GCU exploring the river bank protection site at Chaygaon.



NEWS BULLETIN

CONNECTING CONCEPTS TO CONSTRUCTION: GCU STUDENTS GAIN FIRST-HAND EXPERIENCE IN BRIDGE ENGINEERING



AZARA, February 22: The Department of Civil Engineering at Girijananda Chowdhury University (GCU), Guwahati, organized an industrial visit to the Guwahati-North Guwahati Bridge construction site near Machkhowa on February 10, 2025. This visit was specifically designed for B. Tech 8th semester students, providing them with hands-on experience and practical insights into bridge construction.

During the visit, students received an overview of the project, including different casting methods, machinery operations, stress transfer mechanisms, and pre-stressing techniques. Site engineers Mr. Biswajit Das and Mr. Manoj Sarma (Assistant Engineers, PWD Roads) guided the students, helping them connect theoretical concepts to real-world applications.

The visit was led by Dr. Snehal Kaushik (Associate Professor) and Mrs. Nitisha Mazumdar (Assistant Professor) from the Civil Engineering Department at GCU. Thirteen students participated in the visit, greatly benefiting from the experience.



Students attending a technical session at PWD (Roads), BBC Division, Fatasil Ambari, Guwahati.



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Students gaining insights into engineering techniques.