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## The Power Plant Educational Tour Spring 2025 at Ashuganj Power Station Company Ltd. (APSCL) and United Ashuganj Energy Ltd. (UAEL)

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August 3, 2025

SHARE: "The Power Plant Educational Tour Spring 2025, organized by the Dept. of EEE, UIU , supported by Centre for Energy Research, (CER, UIU) & UIU Electrical And Electronic Club (UIUEEC), was successfully held on 17th July 2025 with the participation of 53 students and 5 esteemed faculty members, including Dr. Kaled Masukur Rahman (Professor, Dept. of EEE & Head of Dept.), Mr. Md. Shahriar Ahmed Chowdhury (Assistant Professor, Dept. of EEE & Director, CER), Mr. S.M. Monzurul Hoque Chowdhury (Lecturer, Dept. of EEE), Mr. Md. Nure-Alam-Dipu (Lecturer, Dept. of EEE). During the Power Plant Educational Tour Spring 2025, students visited two major energy facilities—Ashuganj Power Station Company Ltd. (APSCL) and United Ashuganj Energy Ltd. (UAEL)—gaining firsthand exposure to modern power generation infrastructure. At APSCL, one of the country’s largest gas-based power generation companies, students explored the turbine hall, combined-cycle units, and the 230 kV switchyard, observing how natural gas is converted into electricity using both steam and gas turbines to maximize efficiency. They also engaged with engineers in the SCADA-controlled operation center, where real-time data on load dispatch, frequency regulation, and system alarms were presented—bridging theoretical control systems with practical applications. At UAEL, students experienced a high-efficiency, private sector reciprocating engine-based plant featuring thirteen Wärtsilä gas engines producing 195 MW. Engineers at the facility explained how such modular engine plants are critical for grid stability, especially during peak hours, and highlighted their use of advanced environmental control systems, such as low-NO<sub>x</sub> combustion and closed-loop cooling. Students also gained insights into power plant financing, operation, and maintenance under public-private partnership (PPP) models, offering a perspective rarely covered in traditional coursework. Overall, the tour provided a powerful, real-world learning experience—connecting academic principles to industrial applications and strengthening the students’ readiness to contribute meaningfully to Bangladesh’s evolving power sector."

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## In Other News

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July 28, 2025 ### IEEE PES Day 2025 Celebrated at United International University (UIU) May 6, 2025 ### Research Opportunity for Students February 4, 2025 ### UIU students successfully visited the United Power Generation and Distribution Company Limited (UPGDCL) Power Plant in the Dhaka Export Processing Zone (DEPZ) January 28, 2025 ### Successful Completion of Internship program from United Power Plant. January 27, 2025 ### Seminar on VLSI, Semiconductor Industry, and Career Opportunities with Ulkasemi Successfully Organized at UIU January 21, 2025 ### Successful Completion of Seminar on Battery Energy Storage Systems (BESS)

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