



Issue No.2 | May 2026

Department of Civil Engineering NEWSLETTER

Departmental Activity

1. Advancing Water Resources Engineering: Department Hosts Expert Talk on Reservoir Sedimentation

On **March 30, 2026**, the Civil Engineering Department had the privilege of hosting a highly informative online expert talk, continuing our commitment to providing students with cutting-edge research and practical industry insights.

The session featured distinguished guest speaker **Dr. Umesh Kumar Singh**, Scientist-C from the Water Resource Systems Division at the National Institute of Hydrology in Roorkee, Uttarakhand.

Key Highlights from the Session:

- **Specialized Topic:** Dr. Singh delivered a comprehensive presentation on the "*Distribution of Sedimentation under Reservoirs using the EAR method.*"
- **Curriculum Alignment:** The expert talk provided invaluable real-world context for our students, perfectly complementing our departmental focus and advanced pedagogy in Water Resources Engineering.
- **Methodological Insights:** Attendees gained a deeper technical understanding of modern hydrological applications and how the EAR method is practically utilized to monitor and manage reservoir health—a critical component of sustainable civil infrastructure.

The department extends its sincere gratitude to Dr. Singh for taking the time to share his specialized expertise with our academic community. We look forward to organizing more enriching sessions that bridge the gap between classroom theory and advanced engineering practice



2. Engineering the Path to Success: Department Hosts UltraTech IndiaNext STIMULUS

On **May 15, 2026**, our Civil Engineering Department proudly hosted the preliminary stage of **IndiaNext STIMULUS**, a premier national quiz competition sponsored by UltraTech Cement. Organized in collaboration with MoE's and the Institution's Innovation Councils, the event saw a fantastic turnout from our aspiring engineers.



Billed as "The Ultimate Quiz to Future-Proof Your Career," the competition brought together bright minds to test their civil engineering acumen. The initial college-level round marked the beginning of a rigorous six-stage journey designed to challenge and elevate our students' technical knowledge.

Event Highlights:

- **Enthusiastic Participation:** Students eagerly competed in the preliminary round, showcasing their technical expertise and readiness for the industry.
- **Incredible Opportunities:** High-performing competitors advanced to the progressive online elimination stages, vying for digital gift vouchers worth up to ₹50,000.
- **Career Advancement:** Beyond the financial rewards, students competed for an exclusive chance to secure a pre-placement or internship interview directly with UltraTech Cement.
- **Industry Exposure:** The subsequent Zonal and National Finals promise our advancing students the opportunity to interact with an iconic quizmaster and leading industry experts.



The department extends its heartfelt congratulations to all participants for taking this proactive step toward their professional growth. We are incredibly proud to facilitate platforms that connect our greatest minds with national industry leaders, and we eagerly look forward to cheering on those advancing to the ultimate stages!

3. Hands-on Engineering: Department Conducts Structural Health Monitoring on Campus

On **February 26, 2026**, the Civil Engineering Department initiated a comprehensive Structural Health Monitoring (SHM) project right here on our Barrackpore campus. Focusing on the university's Annex Building, this proactive initiative seamlessly blended essential campus maintenance with invaluable experiential learning.

Under the expert guidance of Assistant Professor Tamal Kundu, our final-semester B.Tech students took to the field to conduct rigorous on-site assessments, applying their theoretical knowledge to a real-world, large-scale structure.

Key Highlights of the Initiative:

- **Practical Field Application:** Final-year students transitioned from classroom theory to active field engineering, gaining critical hands-on experience in modern structural assessment techniques.





- **Ensuring Campus Safety:** The ongoing monitoring work is being meticulously conducted to assess the structural safety and overall physical condition of the Annex Building.
- **Long-Term Durability:** By proactively identifying and analyzing structural data, this initiative directly contributes to the long-term durability, resilience, and safety of the university's infrastructure.
- **Faculty Leadership:** Prof. Kundu's mentorship during this project exemplifies our department's dedication to producing industry-ready graduates who are well-versed in practical problem-solving.



This ongoing SHM project not only reinforces the safety of our immediate campus environment but also stands as a testament to the high-level, practical capabilities of our graduating civil engineering students. We commend everyone involved for their hard work and dedication to infrastructural excellence!



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