Dr. Sudhir Chandra Sur Institute of Technology and Sports Complex
(Formerly Known as Dr. Sudhir Chandra Sur Degree Engineering College)
540, DumDum Road, Surer Math (Near Dum Dum Jn. Station), Kolkata-700074
Phone: +91 22 25603889, 25603898, 65330375
Website: www.surtech.edu.in; Email-info@dsec.ac.in

Report of one day Workshop "Industry Insights into Advanced Structural Design & BIM Technology"

organized by

Department of CE & IQAC Cell

Dr. Sudhir Chandra Sur Institute of Technology and Sports Complex

In Association with

CAD POINT, Kolkata

Title: One day Workshop "Industry Insights into Advanced Structural Design & BIM Technology"

Speakers and Designation:

1. Mr. Kaustav Sandel, Trainer, CADD Point
2. Mr. Chandan Singha, Trainer, Imaginminds CADD & Engineering Solutions

Date: 18th June, 2026

Time: 12.30 PM onwards

Venue: CAD Lab (Room 107), SurTech Campus

Number of Participants: 25

Objective: The major objectives of the workshop were:

1. To introduce participants to advanced structural design concepts and modern engineering practices adopted in the industry.
2. To provide awareness regarding the applications and importance of Building Information Modelling (BIM) technology in present-day construction projects.
3. To familiarize students with industry-oriented software tools and digital workflows used in structural analysis, design, and project coordination.
4. To enhance the technical competency of students in the field of structural engineering and digital construction technologies.
5. To bridge the gap between theoretical academic knowledge and practical industrial requirements.
6. To encourage students to develop skills relevant to the current and future demands of the civil engineering profession.

Brief Overview: The workshop commenced at 12:30 PM with a welcome address delivered by the faculty members of the Department of Civil Engineering. The speakers were warmly welcomed and introduced to the participants. Students from the Civil Engineering Department actively participated in the event.

Mr. Kaustav Sandel, Trainer from CADD Point, delivered an insightful session on advanced structural design practices adopted in the modern construction industry. He discussed the importance of structural planning, load analysis, modelling techniques, and the role of software tools in improving efficiency and accuracy in engineering design. The session also highlighted the practical applications of structural engineering concepts in high-rise buildings, industrial structures, and infrastructure projects.

Mr. Chandan Singha, Trainer from Imaginminds CADD & Engineering Solutions, conducted an informative session on Building Information Modelling (BIM) technology and its significance in the Architecture, Engineering, and Construction (AEC) industry. He explained how BIM enables integrated project planning, visualisation, coordination, and lifecycle management of structures. The speaker also demonstrated industry-relevant BIM workflows and emphasised the growing demand for BIM professionals in the construction sector.

The workshop included interactive discussions, live software demonstrations, and question-and-answer sessions where participants actively engaged with the speakers. The students gained valuable insights into current industry trends, software applications, and career opportunities in structural design and BIM technology.

The event concluded with a vote of thanks expressing gratitude to the speakers, organisers, participants, and collaborating organisations for making the workshop successful.

Outcome: The workshop proved to be highly beneficial for the participants. The following outcomes were achieved:

1. Participants gained knowledge about modern structural design methodologies and industry practices.
2. Students developed an understanding of BIM technology and its applications in planning, design, construction, and project management.
3. The workshop enhanced awareness regarding industry-oriented software tools and digital engineering platforms.
4. Participants understood the importance of integrating structural engineering concepts with digital modelling technologies.
5. The sessions motivated students to pursue skill development and professional training in advanced structural design and BIM-based technologies.
6. The workshop helped bridge the gap between academic curriculum and industrial expectations.
7. Students became aware of emerging career opportunities in the fields of structural engineering, BIM modelling, and digital construction management.
8. The interactive sessions improved the technical learning experience and encouraged industry-academia interaction

Please find the glimpses of the event -

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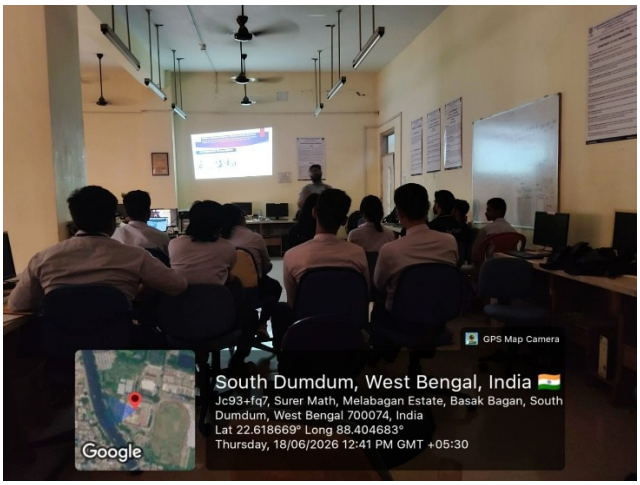

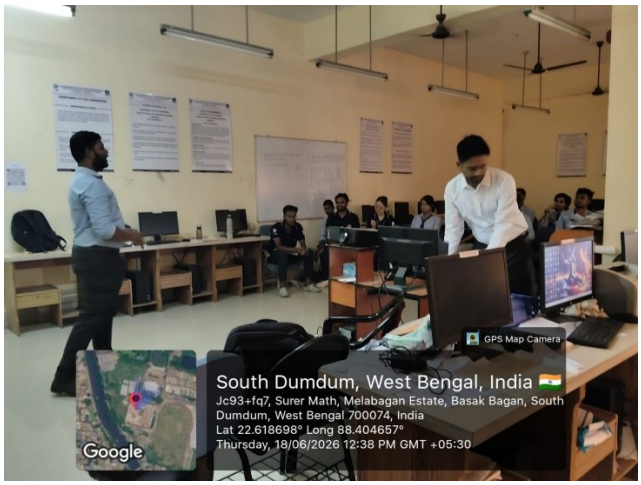

One day Workshop "Industry Insights into Advanced Structural Design & BIM Technology" on 18th June, 2026