



SurTech

Dr. Sudhir Chandra Sur Institute of Technology and Sports Complex

(Formerly Known as Dr. Sudhir Chandra Sur Degree Engineering College)

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Report of One-day workshop session on "Practical Application of Software in Structural Analysis"

conducted by

Department of CE and IQAC Cell

of

Dr. Sudhir Chandra Sur Institute of Technology and Sports Complex

(An Autonomous Institute)

In association with Ardent Computech Private Limited

Title: One-day workshop session on "Practical Application of Software in Structural Analysis"

Speaker: Mr. Soumen Diyan

Designation: Senior Consultant, Ardent Computech Private Limited.

Date & Time: 29.09.2026, 2.30 PM onwards

Venue: Room 107 (CAD Lab)

Number of Participants: 40

Objective: The workshop aimed to provide students with practical exposure to structural analysis software and demonstrate how theoretical concepts of structural analysis are applied in professional engineering practice. It also focused on developing students' understanding of structural modelling, analysis and interpretation of software-generated results.

Brief Overview: The Department of Civil Engineering organized a one-day workshop on "Practical Application of Software in Structural Analysis" on 29 September 2026 at Room 107 (CAD Lab), with 40 participants attending the session. The workshop was conducted by Mr. Soumen Diyan, Senior Consultant, Ardent Computech Private Limited.

During the session, the speaker demonstrated the practical application of structural analysis software through a step-by-step approach, covering structural modelling, defining member and material properties, assigning loads and supports, performing analysis and reviewing the generated results. The demonstration enabled students to observe how a structural problem is translated into a computer-based analytical model and how the analysis results are interpreted from an engineering perspective. The interactive nature of the session also provided students with an opportunity to clarify their queries regarding software-based structural analysis and its application in industry.

Outcome: The workshop enhanced students' practical understanding of structural analysis software and its application in real-world engineering problems. Participants gained knowledge of structural modelling,



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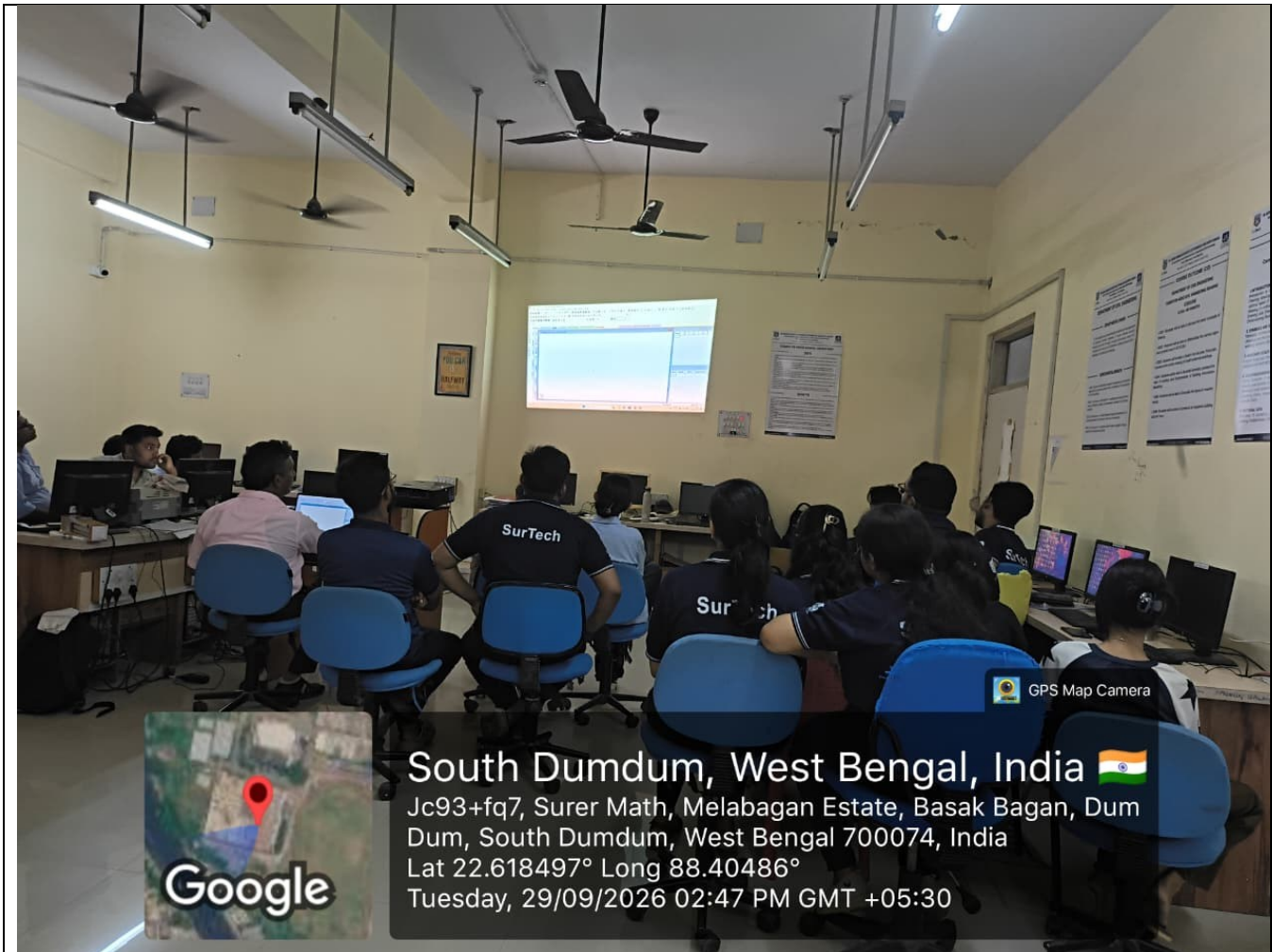
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loading, analysis and result interpretation, while developing greater confidence in using professional software for academic projects and future engineering practice.

Few glimpses of the session-



**One-day workshop session on "Practical Application of Software in Structural Analysis" on
29.09.2026**