



J.B. INSTITUTE OF ENGINEERING & TECHNOLOGY

(UGC Autonomous)

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Bhaskar Nagar, Moinabad Mandal, Hyderabad, Telangana – 500075



Date: 19/02/2026

DEPARTMENT OF MECHANICAL ENGINEERING

REPORT ON

Expert Lecture

on

“SOLIDWORKS”

1. Event Title: Expert Lecture on “SOLIDWORKS”.

2. Event Date: 19th February 2026

3. Event Duration: 01:15 PM onwards

4. Event Venue: 2nd Year Mechanical Engineering Classroom, JBIET

5. Resource Persons:

Mr. Mirza Mustafa Baig

Consultant – Sales

Best Engineering Aids & Consultancies Pvt. Ltd., Hyderabad

6. Coordinators:

- Dr. Anoop Kumar
HoD, Mechanical Engineering
- Mr. A. Sai Kumar
Assistant Professor
Department of Mechanical Engineering

7. Attended by: Second Year B.Tech Mechanical Engineering Students

8. Event Photos:



Objective of the Program:

The objective of organizing this expert lecture was to provide students with:

- Basic knowledge of SOLIDWORKS software
- Understanding of 3D modeling and product design
- Awareness of CAD tools used in the Mechanical Industry
- Exposure to real-time industrial design applications
- Importance of design software in career development

Outcomes of the Program:

After attending the session, the students were able to:

- Understand the fundamentals of SOLIDWORKS
- Learn the importance of CAD tools in Mechanical Engineering
- Gain knowledge on 3D part modeling and assembly
- Recognize the industrial applications of design software
- Understand career opportunities related to CAD/CAM

Summary of the Report:

The Department of Mechanical Engineering organized an expert lecture on “**SOLIDWORKS**” for the 2nd Year B.Tech Mechanical Engineering students.

The session was delivered by **Mr. Mirza Mustafa Baig**, Consultant – Sales from Best Engineering Aids & Consultancies Pvt. Ltd., Hyderabad.

The resource person explained the importance of Computer-Aided Design (CAD) tools in modern mechanical industries and emphasized the role of SOLIDWORKS software in product design and development.

He demonstrated the basic features of SOLIDWORKS including:

- Sketching tools
- 3D part modeling
- Assembly modeling
- Drafting of engineering components

He also explained how SOLIDWORKS is widely used in industries for designing mechanical components and systems with high precision and efficiency.

The session provided practical insights into real-time applications of CAD software in manufacturing industries, automotive sector, and product development companies. Students were encouraged to learn design software tools to improve their employability and technical skills.

An interactive session was conducted where students clarified their doubts related to CAD software usage and career opportunities in design engineering.

Conclusion:

The expert lecture was highly informative and beneficial for the 2nd Year Mechanical Engineering students. The session enhanced students' understanding of SOLIDWORKS software and its industrial applications. It motivated the students to develop CAD skills which are essential for building a successful career in Mechanical Engineering design and development fields.