



J.B. INSTITUTE OF ENGINEERING & TECHNOLOGY

(UGC Autonomous)

Accredited by NAAC & NBA, Approved by AICTE & Permanently Affiliated to JNTUH

Bhaskar Nagar, Moinabad Mandal, Hyderabad, Telangana – 500075



Date: 24/03/2026

DEPARTMENT OF MECHANICAL ENGINEERING

REPORT ON

Expert Lecture

on

“Advanced Turbo Machinery Design and Analysis.”

1. Event Title: Expert Lecture on “Advanced Turbo Machinery Design and Analysis.”

2. Event Date:

24th March 2026

3. Event Duration:

12:00 PM onwards

4. Event Venue:

Department Library, Department of Mechanical Engineering, JBIET

5. Resource Person:

Mr. Rajkumar Thota

Director, Thomas Turbomachinery Solution Pvt. Ltd.

6 Attended By:

Mechanical Engineering Students – 2nd & 3rd Years

7. Chief Patron:

Shri J.V. Krishna Rao
Secretary, JBES

8. Patrons:

Prof. Sanjay Chinlakindi, Director, JBES
Dr. P. C. Krishnamachary, Principal, JBIET

9. Convener:

Dr. Anoop Kumar
HoD, Mechanical Engineering, JBIET

10. Coordinators:

Mr. J. Nagaraju, Assistant Professor
Mrs. J. Narendra, Assistant Professor
Mr. V. Srinivasarao, Assistant Professor

11. Event Banner:

JB INSTITUTE OF ENGINEERING AND TECHNOLOGY
Bhaskar Nagar, Moinabad Mandal ,Hyderabad, Telangana - 500075

Department of Mechanical Engineering

**ADVANCED TURBO MACHINERY
DESIGN & ANALYSIS**

Thota's Turbo Solutions Pvt Ltd

**In Association with
Thota's Turbo Solutions Pvt,Ltd
Kondapur,Hyd-India**

**Date : 24^h March 2026
Time : 10 am**

**Venue: Department Library,
Department of Mechanical Engineering.**

Chief Patron
Shri. J.V. Krishna Rao
Secretary, JBES

Patron
Prof. Sanjay Chintakindi
Director, JBES


Patron
Dr. P. C. Krishnamachary
Principal, JBIET

Convener
Dr. Anoop Kumar
HOD-ME, JBIET

Coordinators
Mr.J.Nagaraju . Asst. Professor
Mrs.J.Narendra . Asst. Professor
Mr.M.G.Mahesh . Asst. Professor



GPS Map Camera

Hyderabad, Telangana, India 
87jx+34h, Hyderabad, Telangana 500075, India
Lat 17.330212° Long 78.297878°
24/03/2026 12:03 PM GMT +05:30



GPS Map Camera



Hyderabad, Telangana, India 
87jx+34h, Hyderabad, Telangana 500075, India
Lat 17.330008° Long 78.298981°
24/03/2026 12:04 PM GMT +05:30



12. Objective of the Program:

The objective of organizing this expert lecture was to:

- Provide fundamental knowledge of AutoCAD software
- Introduce students to 2D drafting and 3D modeling concepts
- Create awareness about CAD tools used in industries
- Enhance students' practical understanding of design software
- Guide students on career opportunities in CAD/CAM fields

13. Outcomes of the Program:

After attending the session, the students were able to:

- Understand the basics of AutoCAD software
- Learn 2D drafting techniques and commands
- Gain knowledge of 3D modeling fundamentals
- Recognize industrial applications of CAD tools
- Develop interest in design-oriented careers

14. Summary of the Report:

The Department of Mechanical Engineering at J.B. Institute of Engineering & Technology organized an expert lecture on “AUTO CAD” on 1st April 2026 in the CAD/CAM Lab.

The session was delivered by **Mr. Rajkumar Thota, Director of Thomas Turbomachinery Solution Pvt. Ltd.**

The resource person explained the importance of Computer-Aided Design (CAD) in modern engineering industries. He introduced students to AutoCAD software and demonstrated its applications in drafting and design.

Key topics covered during the session included:

- Introduction to AutoCAD interface
- Basic drawing and editing commands
- 2D drafting techniques
- Introduction to 3D modeling
- Industrial applications of AutoCAD

The lecture emphasized how AutoCAD is widely used in mechanical, civil, and architectural industries for accurate and efficient design. The session also included practical demonstrations, helping students understand real-time usage of the software. An interactive session was conducted where students clarified their doubts regarding software usage and career opportunities in CAD/CAM.

15. Conclusion:

The expert lecture was highly informative and beneficial for the students of Mechanical Engineering. It enhanced their understanding of AutoCAD software and its real-world applications. The session motivated students to develop CAD skills, which are essential for building a successful career in design, manufacturing, and engineering industries.



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DEPARTMENT OF MECHANICAL ENGINEERING

Expert Lecture on

“Advanced Turbo Machinery Design and Analysis.”

Attendance Sheet

Date: 24-03-2026

S. No.	Roll No.	Name of the Student	Year	Branch
1	24675A0301	A. Mahesh	III Ee II	Mech Engg.
2.	24675A0302	K. Rakesh	III d II	Mech Engg.
3.	24675A0303	B. pushpalatha	4	4
4.	24675A0304	T. Jhony	4	4
5.	24675A0305	G. Abhilash	4	4
6.	24675A0306	N. Anvesh	4	4
7.	24675A0307	V. Vishal	4	4
8.	24675A0308	K. Pavan Kumar	4	4
9.	24675A0309	L. Ashok	4	4
10	24675A0310	R. Srijay	4	4
11	24675A0311	V. Santhosh.	4	4
12	24675A0312	L. Kishan	4	4
13	24675A0313	B. Abhinav Goud	4	4
14	24675A0314	K. Chandra Kiran	4	4
15	24675A0315	B. Shanth Kumar	4	4
16	24675A0316	C. Sridhar.	4	4
17	23671A0301	G. Chandrashekar	4	4
18	23671A0302	K. Chandrashekar	4	4



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Date: 24-03-2026

S. No.	Roll No.	Name of the Student	Year	Branch
1	24671A0301	A. Ganesh	2nd	Mech
2				
3	24671A0303	B. Nihal	2nd	Mech
4	24671A0304	Ch. Sreen Kumar	2nd	MECH
5	24671A0305	G. Chandu	2nd	Mechanical.
6	24671A0308	M. Manikanth	2nd	Mech
7	24671A0309			
8	24671A0310	Srinay	2nd	Mechanical.
9				
10	24671A0312	T. Revanth	2nd	Mech.
11				
12				
13				
14	25675A0304	Rizwan Shajeeg	2nd	Mech
15	25675A0305	P. Vishnu	2nd	Mech
16	25675A0306	Kongani Srihari	2nd	MECH.
17	25675A0307	T. Prishanth	2nd	Mech
18				
19				