J.B. INSTITUTE OF ENGINEERING & TECHNOLOGY

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Bhaskar Nagar, Moinabad Mandal, Hyderabad, Telangana – 500075

Date: 02/02/2026

DEPARTMENT OF MECHANICAL ENGINEERING

REPORT ON

Technical Lecture on

"Empowering Core Professional"

1. Event Title: Technical Lecture on **"Empowering Core Professional"**

2. Event Date: 02nd February 2026

3. Event Duration: 2:30 PM to 4:00 PM

4. Event Venue: CAD/CAM Lab, Mechanical Engineering Department, JBIET, Hyderabad

5. In Association With: Spectransys, Hyderabad – India

6. Resource Persons:

Mr. CH. Raju
Technical Solution Engineer – AI
Spectransys, Hyderabad

7. Chief Patron: Shri. J.V. Krishna Rao– Secretary, JBES

8. Patrons:

- Prof. Sanjay Chintakindi – Director, JBES
- Dr. P.C. Krishnamachary – Principal, JBIET

9. Convener:

Dr. Anoop Kumar
HOD – Mechanical Engineering, JBIET

10. Coordinators:

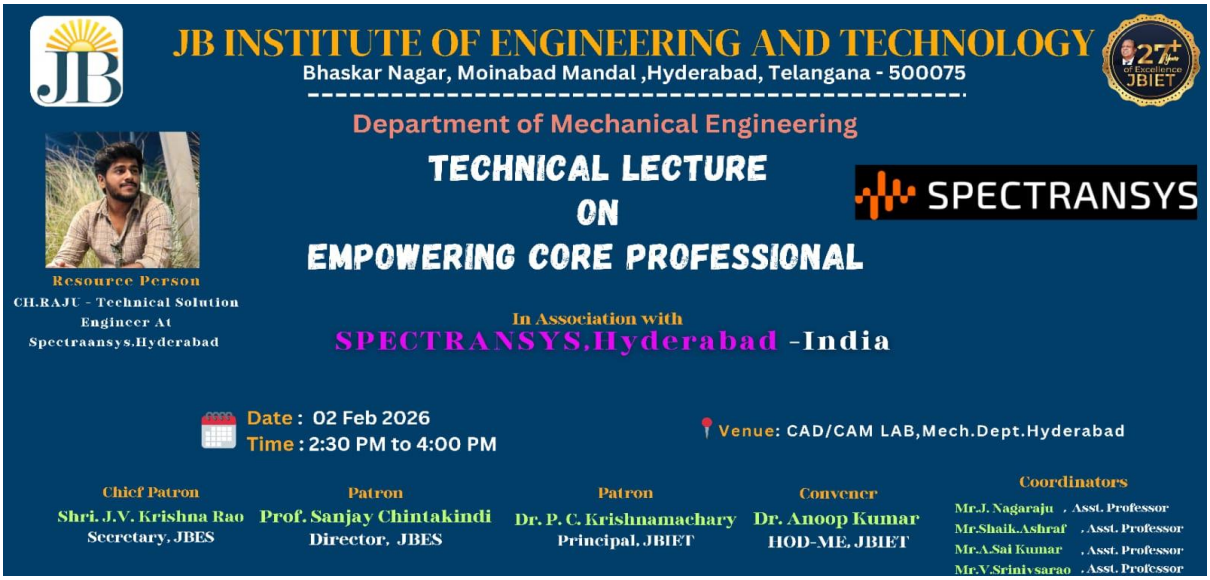
- Mr. J. Nagaraju – Assistant Professor
- Mr. Shail Ashraf – Assistant Professor
- Mr. A. Sai Kumar – Assistant Professor
- Mr. V. Srinivas Rao – Assistant Professor

11. Number of Students Attended: 29 Students

12. Event Photos:

Banner:

(Technical Lecture Banner on "Empowering Core Professional" in association with Spectransys, Hyderabad)

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13. Event Objective:

The primary objective of this technical lecture was:

- To provide awareness about Condition Monitoring and Reliability (CORE).
- To introduce students to certified technical consulting and industry-oriented training programs.
- To align academic knowledge with the latest industry trends and technologies.
- To help students understand evolving industrial requirements.
- To bridge the skill gap between academia and industry.
- To connect students with the right career opportunities in core sectors.

14. Event Outline:

The technical lecture was conducted in an interactive and informative manner. The session began with a welcome note by the department faculty, followed by the introduction of the resource person, Mr. CH. Raju, Technical Solution Engineer – AI at Spectransys, Hyderabad. His professional experience and expertise in Condition Monitoring and Reliability Engineering were highlighted. The lecture focused on empowering students to become competent core professionals by upgrading their technical skills and understanding industry demands.

15. Key Topics Covered in the Lecture:

A. Condition Monitoring and Reliability (CORE):

The speaker explained the importance of Condition Monitoring and Reliability Engineering in modern industries. He discussed how certified technical experts provide top-notch consulting services and comprehensive training programs that cover the entire spectrum of CORE.

He emphasized that industries today require predictive and preventive maintenance strategies to improve equipment performance, reduce downtime, and enhance productivity.

B. Industry-Aligned Training Programs:

The resource person highlighted that:

- Training programs are aligned with the latest industry trends and emerging technologies.
- Practical exposure and hands-on learning are essential for career growth.
- Certifications in CORE domains significantly enhance employability.
- Continuous upskilling is necessary to remain competitive in the job market.

Students were encouraged to pursue structured technical training programs that meet real-time industrial standards.

C. Understanding the Dynamic Nature of Industry:

The speaker stressed that the engineering industry is continuously evolving with technological advancements.

He explained that professionals must:

- Adapt to changing technologies.
- Upgrade their technical competencies regularly.
- Understand industry expectations beyond academic syllabus.
- Develop problem-solving and analytical skills.

He also mentioned that services and training programs must be tailored to meet evolving industrial needs.

D. Bridging the Skill Gap and Talent Connectivity:

A key focus of the lecture was bridging the skill gap between graduates and industry requirements.

The speaker explained how organizations like Spectransys:

- Help students acquire industry-relevant skills.
- Guide them in finding suitable opportunities in core sectors.
- Connect employers with the right talent pool.
- Support professional growth through expert mentoring and consulting.

This initiative strengthens industry–institute collaboration and improves employability among students.

16. Student Interaction Session:

An interactive Q&A session was conducted where students actively participated and clarified doubts regarding:

- Career opportunities in Condition Monitoring and Reliability Engineering.
- Required certifications and training pathways.
- Scope of AI in mechanical core industries.
- Internship and placement opportunities in core sectors.
- Future growth prospects in reliability and maintenance engineering.

The resource person provided practical insights and encouraged students to focus on skill-based learning and continuous improvement.

17. Outcome of the Technical Lecture:

The technical lecture was highly informative and beneficial. The key outcomes were:

- Students gained awareness about CORE (Condition Monitoring & Reliability Engineering).
- Improved understanding of industry expectations.
- Increased interest in certified training programs.
- Motivation to enhance practical and technical competencies.
- Strengthened industry–academia relationship.

The session successfully created clarity among students regarding career opportunities in core mechanical domains.

18. Conclusion:

The Department of Mechanical Engineering, JBIET, in association with Spectransys, Hyderabad, successfully organized the Technical Lecture on "Empowering Core Professional" on 02nd February 2026. The lecture provided valuable insights into Condition Monitoring, Reliability Engineering, and industry-aligned training programs. The expert guidance from the resource person helped students understand the importance of continuous learning and skill enhancement to meet dynamic industry requirements. Overall, the session was interactive, insightful, and impactful, empowering students to become competent and confident core professionals.

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F. No. JBIET/ME/29/01/2025-26 Date: 02/02/2026

DEPARTMENT OF MECHANICAL ENGINEERING

Technical Lecture on "Empowering core professional"

Attendance Sheet

S.N	Roll number	Name of the Participant	Branch/College	Year/Sem	Signature
1	24675A0311	V. Santhosh	III / II mech	III / II	
2	24675A0302	K. Rakesh	Mechanical	III / II	
3	24675A0304	T. Jhony.	Mech	III / II	T. Jhony.
4	24675A0308	K. Pavan	Mech	III / II	
5	24675A0303	B. Pushpalatha	"	"	
6	24675A0301	A. Mahesh	"	"	
7	24675A0313	B. Abhinav goud	"	"	
8	24675A0305	G. Abhilash	"	"	
9	24675A0306	N. Anvesh	"	"	
10	24675A0307	V. Vishal	"	"	
11	24675A0312	L. Kishan	"	"	
12	24675A0314	K. Chandra kiran	"	"	
13	24675A0315	B. Shanth kumar	"	"	
14	24675A0316	C. Sridhar	"	"	
15	23671A0301	G. Chandra shekar	"	"	
16	23671A0302	K. Chandra shekar	"	"	
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Attendance Sheet

S.N	Roll number	Name of the Participant	Branch/College	Year/Sem	Signature
1	25675A0304	RIZWAN SHAFEEQ	MECH/JBIET	IInd/IInd	Rizwan
2	25675A0307	J. Srichandu	MECH/JBIET	IInd/IInd	J. Sri
3	25675A0309	B. Mahesh	MECH/JBIET	IInd	
4	25675A0308	P. Rajashekar Reddy.	MECH/JBIET	IInd	Rajashekar
5	24671A0308	M. Manikanth	mech/JBET	IInd	M. Manikanth
6	25675A0305	P. Vishnu	Mech/JBIET	IInd	P
7	25675A0302	P. Ranjith	Mech/JBIET	IInd	P. Ranjith
8	24671A0301	A. Ganesh	Mech/JBIET	II/II	A. Ganesh
9	24671A0302	T. Karan	Mech/JBIET	II/II	T. Karan
10	24671A0312	T. Revanth	Mech/JBIET	II/II	
11	24671A0310	S. Vinay	Mech/JBIET	II/II	S. Vinay
12	24671A0311	S. Shivayya	mech/JBIET	II/II	
13	24671A0309	M. Venkatesh Rathod.	mech/JBIET	II/II	Ankey
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