



J.B. INSTITUTE OF ENGINEERING & TECHNOLOGY

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Bhaskar Nagar, Moinabad Mandal, Hyderabad, Telangana – 500075



Date: 26/08/2026

DEPARTMENT OF MECHANICAL ENGINEERING

REPORT ON

"Expert Lecture on Product Development"

1. Event Title:

" Expert Lecture on Product Development"

2. Event Date:

26th August 2026

3. Event Duration:

01:10 PM onwards

4. Event Venue:

2nd Year Mechanical Engineering Classroom, JBIET

5. Resource Persons:

- **Mr. Vishwaraj Saude**

Core Team Member, Innovation and Entrepreneurship Council (I&EC)

- **Mr. Asif Pasha**

Resource Person, Innovation and Entrepreneurship Council (I&EC)

6. Coordinators:

- **Dr. Anoop Kumar**

Head of Department, Mechanical Engineering

- **Mr. Vasam Srinivas Rao**

Assistant Professor, Department of Mechanical Engineering

7. Attended By:

Second Year B.Tech Mechanical Engineering Students – 23 Students

8. Objectives of the Program:

The main objectives of organizing this session were to:

- Introduce second-year Mechanical Engineering students to the fundamentals of product design and development processes.
- Provide practical insights into entrepreneurship, innovation, and taking an idea from concept to prototype.
- Understand the role of Innovation and Entrepreneurship Councils (I&EC) in supporting student projects, startups, and product fabrication.
- Bridge academic theoretical knowledge with industry-level product creation standards.

9. Summary of the Event:

The Department of Mechanical Engineering organized an insightful session on "**Product Development**" tailored specifically for the second-year B.Tech Mechanical Engineering students.

The key resource persons for the event were **Mr. Vishwaraj Saude** and **Mr. Asif Pasha** from the **Innovation and Entrepreneurship Council (I&EC)**.

During the session, the speakers highlighted:

- **Product Conceptualization:** The step-by-step cycle of identifying industrial/societal problems, brainstorming solution concepts, and transforming ideas into viable mechanical products.
- **Design & Prototyping:** The importance of design tools, rapid prototyping, component selection, and structural analysis in mechanical design.
- **Innovation & Entrepreneurship Support:** How students can utilize institutional setup, incubation support, and mentorship provided by bodies like I&EC to register patents, create prototypes, and form startups.
- **Industry Readiness:** Aligning mechanical engineering fundamentals with current market demands and emerging technological tools.

The interactive nature of the lecture allowed students to ask questions regarding prototype building, funding opportunities, and navigating product development hurdles during their academic projects.

10. Outcomes of the Program:

After attending the session, students were able to:

- Grasp the end-to-end framework of mechanical product development.
- Identify resources and guidance platforms available through I&EC for student-led innovations.
- Understand the significance of design iteration, material selection, and testing protocols.
- Gain motivation to initiate real-world project builds starting from their second year of study.

11. Event Gallery:



12. Conclusion:

The lecture on **Product Development** was highly informative, practical, and inspiring for the second-year Mechanical Engineering students. It exposed them to the practicalities of modern product design and startup ecosystems early in their academic journey. The Department extends its sincere gratitude to the resource persons from I&EC for delivering an engaging and impact-driven session.