

Report on the Industrial Visit to IISc -"Exploring Science and Technology at IISc Open Day"

The MVJ College of Engineering conducted an **Industrial Visit** to **IISc** on **07-03-2026** from **09:00 AM to 05:00 PM**.

The **Open Day** at the Indian Institute of Science (IISc), Bengaluru, is an annual event where the institute opens its laboratories and research facilities to students, industries, and the general public. The purpose of this visit was to gain exposure to advanced research, industrial applications, and technological innovations.

Objectives of the Event

The primary objectives of the event

- To understand real-world applications of engineering and science
- To explore cutting-edge research facilities
- To interact with researchers and scientists
- To observe industry-relevant technologies and innovation

Event Overview

The Open Day at the Indian Institute of Science (IISc), Bengaluru, is an annual outreach event that provides students, industry professionals, and the public with an opportunity to explore the institute's world-class research facilities. During the event, various departments open their laboratories to showcase ongoing projects, technological innovations, and practical applications of scientific research.

The event featured live demonstrations, interactive exhibits, and direct interaction with researchers and faculty members. It aims to promote scientific awareness, encourage innovation, and highlight the role of research in addressing real-world industrial and societal challenges.

The industrial visit was organised to provide students with practical exposure to real-world working environments and industrial practices. The visit to the Indian Institute of Science (IISc), Bengaluru, aimed to bridge the gap between theoretical learning and its practical applications.

During the visit, students explored advanced laboratories, observed live demonstrations, and gained insights into cutting-edge research and technologies. The exposure to modern equipment and innovative projects helped in understanding how scientific and engineering concepts are applied in industry. The visit also included interaction with researchers and

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experts, which enhanced students' knowledge about current technological trends, industry requirements, and career opportunities. Overall, the industrial visit was an enriching experience that improved technical understanding, practical knowledge, and professional awareness.

Interaction with Researchers

Students had the opportunity to interact with researchers and PhD scholars, who explained:

- Ongoing projects
- Industry collaborations
- Career paths in research and development

Key Learnings

- Importance of research in solving industrial problems
- Role of interdisciplinary knowledge
- Exposure to advanced tools and technologies
- Understanding innovation and startup culture



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Outcomes and Impact

The Open Day at the Indian Institute of Science (IISc), Bengaluru, has a significant impact on students by enhancing their academic, technical, and career perspectives.

1. Practical Exposure

Students gained hands-on exposure to advanced laboratories, modern equipment, and real-time experiments, helping them understand how theoretical concepts are applied in practical and industrial scenarios.

2. Awareness of Emerging Technologies

The event introduced students to cutting-edge fields such as artificial intelligence, robotics, aerospace, and sustainable energy systems, broadening their knowledge beyond textbooks.

3. Career Guidance

Interaction with researchers, professors, and scholars helped students understand various career paths in research, higher studies, and industry.

4. Inspiration for Innovation

Seeing live projects and innovations motivated students to think creatively and develop problem-solving skills, encouraging them to work on their own ideas and projects.

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5. Industry-Oriented Learning

Students learnt how research is connected to real-world industrial applications, improving their understanding of industry requirements and technological trends.

6. Networking Opportunities

The event provided a platform to connect with experts, researchers, and like-minded peers, which can be beneficial for future academic and professional growth.

7. Increased Interest in Research

Exposure to high-level research environments inspired students to pursue careers in science, engineering, and innovation.

Overall Impact

The IISc Open Day plays a crucial role in shaping students' perspectives by bridging the gap between education and industry, while encouraging curiosity, innovation, and informed career choices.

Conclusions

The visit to the IISc Open Day was highly informative and inspiring. It provided valuable insights into how theoretical knowledge is applied in real-world industrial scenarios. The exposure to cutting-edge research and innovation has enhanced understanding of future technologies and career opportunities.

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