



INDUSTRIAL VISIT

INDIAN INSTITUTE OF SCIENCE (IISc) OPEN DAY

The **Department of Mechanical Engineering** at MVJ College of Engineering organised an industrial visit to the **Indian Institute of Science (IISc) Open Day** on **7 March 2026**, for 4th and 6th Semester Students of the Mechanical Engineering Department. A total of 40 students from the BE 4th and 6th semesters of the Mechanical Engineering Department participated in the visit, accompanied by faculty member Prof. P Srinivasa Kumar.

The IISc Open Day in Bangalore is a prestigious annual event that showcases cutting-edge research and technological advancements across various scientific disciplines. Organised by the Indian Institute of Science (IISc), this event offers a unique opportunity for students, researchers, and the general public to explore pioneering innovations in Mechanical Engineering and allied fields.

Visitors can engage with interactive exhibits, live demonstrations, and insightful presentations, highlighting IISc's groundbreaking contributions in Advanced Manufacturing, Robotics, Computational Fluid Dynamics (CFD), Thermal Sciences, Materials Engineering, Nano Sciences, and Aerospace Technologies. The event provides a platform to explore the latest developments in automation, renewable energy systems, experimental mechanics, and material characterisation techniques, offering valuable insights into ongoing projects and future research directions.

By connecting academia with industry and society, the IISc Open Day fosters scientific curiosity, innovation, and technological awareness. It serves



as an inspiring platform for young minds and budding engineers, professionals, and enthusiasts to appreciate the engineering advancements shaping the future of mechanical and interdisciplinary sciences and inculcate the ideas of entrepreneurship activities.

Objectives of the Visit:

- To explore the diverse research and technological innovations showcased at the IISc Open Day, with a special focus on Mechanical Engineering and allied disciplines.
- To gain insights into the real-world applications of advanced engineering concepts, including robotics, computational mechanics, aerospace engineering, material sciences, thermal sciences, and renewable energy technologies.
- To utilise the knowledge, resources, and research exposure at IISc for future academic, industrial, and research pursuits.

Visit Overview:

Upon arriving at the Indian Institute of Science (IISc), Bangalore, students and faculty members entered the campus and independently explored the Open Day exhibits and research demonstrations. The event provided a welcoming and open environment, allowing visitors to seamlessly access various departments, research labs, and innovation hubs without formal entry restrictions.

The Open Day featured multiple interactive exhibits, live experiments, and engaging discussions, offering firsthand exposure to cutting-edge advancements in Mechanical Engineering, Aerospace Technology, Renewable Energy, Finite Element Analysis (FEA), Computational Fluid Dynamics (CFD),



and Robotics. As the students navigated through different research departments, they encountered AI-driven robotic systems, autonomous vehicles, smart manufacturing technologies, space research innovations, and advanced materials engineering projects.

The students studied research posters, observed live demonstrations, and discussed among themselves to better understand the innovative projects on display. The hands-on experiments and real-world engineering applications significantly enriched our understanding of scientific research and its technological impact.

Conclusion

The visit concluded at 3:00 PM, and the group returned to MVJ College by 4:30 PM, leaving with a deep appreciation for the cutting-edge advancements in science and technology. The experience was highly engaging and informative, sparking enthusiasm for innovation, engineering research, and interdisciplinary exploration.

Outcome of the Event

The visit to the IISc Open Day, Bangalore, was an enriching and insightful experience, providing students with a firsthand look at cutting-edge research and technological advancements. Participants explored a wide array of projects, prototypes, and experimental setups, gaining valuable insights into emerging engineering innovations, particularly in Mechanical Engineering, Robotics, Computational Fluid Dynamics (CFD), Aerospace Engineering, Advanced Materials, and Renewable Energy Technologies.

The event fostered a deeper understanding of interdisciplinary research and its real-world applications in industrial and scientific domains. The engaging exhibits and hands-on demonstrations enhanced technical curiosity, problem-solving skills, and research-oriented thinking. Students found the experience highly inspiring and educational, motivating them to pursue further opportunities in engineering research, technological innovation, and industrial advancements.

Photographs :



Figure 1: Students and Faculty Members at the entrance of the college before leaving for the IISc Open Day.



Figure 2: Glimpses in front of the Administrative Building of IISC



Figure 3: In front of Nano Science and Mechanical Engineering –Materials Characterisation Division



Figure 4: Interaction at Drones Decision- Aerospace Engineering



Figure 5: Insights at Solid Propellant Laboratory - Aerospace Division



Figure 6: Experimental Interaction with Various Fluids at the Materials Lab of Mechanical Engineering