



# **Gyanmanjari Institute of Technology Bhavnagar**

## **Regional Science Centre, Bhvanagar Industrial Visit Report**

Visit Date: 24/10/2024

<b>No. of Student</b>	5
<b>Department</b>	Aeronautical/ Mechanical Engineering
<b>Semester</b>	1 <sup>st</sup>
<b>Faculty Co-Ordinator</b>	Prof. Jigar K. Andharia

## Industry Profile:

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The **Regional Science Centre Bhavnagar** is an educational hub dedicated to promoting scientific curiosity, learning, and innovation among visitors, particularly students, in the Bhavnagar region of Gujarat, India. As a branch of the Gujarat Council on Science & Technology (GUJCOST), it serves as a community resource for interactive learning in science and technology, offering a wide range of exhibits, workshops, and activities designed to engage and inspire.

One of the key features of the center is its hands-on exhibits, covering various disciplines like physics, biology, chemistry, and environmental science, making complex scientific principles accessible and enjoyable. These exhibits allow visitors to explore scientific phenomena through direct interaction, promoting a deeper understanding of topics such as energy, the human body, space, and more. Additionally, the center hosts educational programs, including science fairs, workshops, and lectures, to foster a culture of scientific inquiry and lifelong learning.

For young innovators, the Regional Science Centre provides opportunities to engage in project-based learning, robotics workshops, and practical demonstrations, encouraging them to think creatively and consider careers in STEM fields.

## Objective of Visit

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A visit to the Regional Science Centre Bhavnagar aims to deepen students' scientific understanding through engaging, hands-on exhibits and interactive demonstrations that make complex concepts accessible and enjoyable. This experience promotes curiosity and inquiry, encouraging students to explore science beyond traditional learning and to see its real-world applications in daily life. By interacting with models and practical experiments, visitors can directly experience scientific phenomena, fostering a deeper appreciation for science and technology. The center also introduces students to various STEM fields, potentially sparking interest in related careers. Group activities within the center offer opportunities for collaboration and teamwork, while exhibits focused on environmental science raise awareness about ecological issues and sustainability. Overall, the center provides an inspiring and enjoyable environment for learning, showing students that science is not only educational but also fun, thereby cultivating a positive attitude towards lifelong learning and discovery.

## About Visit

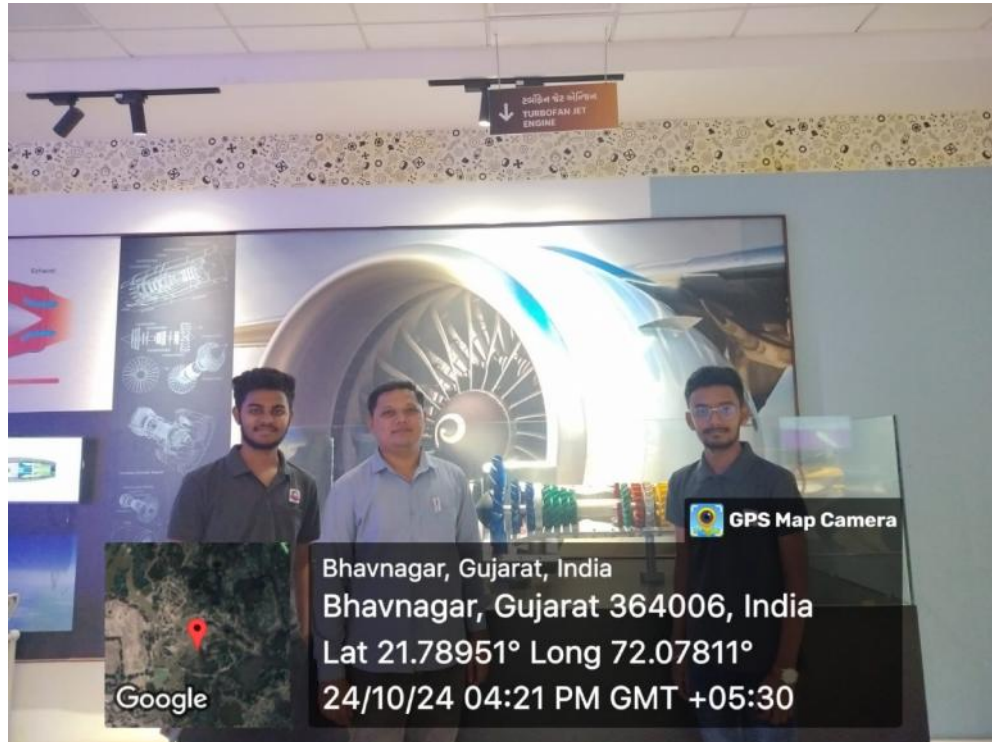
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During a recent visit to the Regional Science Centre Bhavnagar, students, particularly those studying aeronautical engineering, had the unique opportunity to explore the center's Aviation Gallery in depth. This gallery, dedicated to the science and technology behind aviation, provided an immersive experience into the principles of flight, aerodynamics, and the history of aviation. Students engaged with interactive exhibits showcasing the mechanics of lift, drag, thrust, and weight, which are foundational to understanding how aircraft operate.

The gallery featured models of different types of aircraft, engines, and flight simulators, allowing students to see both historical and modern advancements in aviation technology. Through hands-on activities, they could observe the effects of airflow and experiment with scaled models, deepening their grasp of key aeronautical concepts. For these aeronautical engineering students, the experience was especially valuable as it connected their theoretical classroom learning with practical, real-world applications, reinforcing their knowledge and sparking a greater passion for the field. This visit not only enhanced their understanding of aviation mechanics but also inspired them to consider future possibilities within the rapidly evolving aerospace industry.

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