

A. Y. Dadabhai Technical Institute, Kosamba

Report

ON

INDUSTRIAL VISIT
AT

BISAG-N

15th April 2024



Organized by

Computer Department



A. Y. Dadabhai Technical Institute, Kosamba
Mahuvej Road, At & Po. Kosamba (R.S),
Dist: Surat

DATE: 15/04/2024

Bhaskaracharya Institute for Space Applications and Geo-informatics (BISAG-N), Gandhinagar

A.Y. Dadabhai Technical Institute, Kosamba focuses on the overall growth of the students. Computer Department arranges many activities during the semester to improve the Students performance in every category like Elocution Competition, Quiz Competition and also Fun activities. Students must be familiar with the practical terms which are covered in their curriculum. So the Visit can make them understand how the theories work actually in the real world.

Total 42 students of 6th semester and 5 staff members went for visit. We reached at **Bhaskaracharya Institute for Space Applications and Geo-informatics (BISAG-N), Gandhinagar** at 11:30 AM. The purpose of this visit was to provide students with an insightful experience into BISAG-N is a premier national institute specializing in the application of space technology, geo-informatics, and IT solutions for various domains, including agriculture, disaster management, and education.

This visit aimed to bridge the gap between academic learning and real-world applications by providing students with insights into the practical use of advanced technology in solving real-world problems.

Objectives

The primary objectives of the industrial visit were to:

1. Familiarize students with the functioning and objectives of BISAG-N.
2. Provide exposure to the application of space technology and geo-informatics.
3. Showcase the integration of IT solutions in diverse domains.
4. Inspire students to explore careers in space technology, geo-informatics, and IT.

Here is a summary of the key takeaways from the visit:

1. Introduction to BISAG-N

- Overview of the institute's establishment and its role in national development.
- Explanation of space applications in enhancing governance and decision-making.

2. Live Demonstrations

- Students observed live demonstrations of geo-spatial mapping and satellite image analysis.
- Real-time examples of data visualization and geographic information systems (GIS).

3. IT Applications in Various Domains

- Use of IT in precision agriculture to enhance crop productivity.
- Role of space technology in disaster management, including flood prediction and resource allocation.
- Contributions of BISAG-N to e-learning platforms and digital content development.

4. Interaction with Experts

- Experts shared their experiences and highlighted the importance of interdisciplinary knowledge.
- Guidance on skills and qualifications required for careers in space applications and IT.

Overall, the industrial visit provided students with:

1. A better understanding of how space technology and IT can address real-world challenges.
2. Insight into cutting-edge tools and techniques used in geo-informatics and space applications.
3. Inspiration to explore higher studies and careers in related fields.
4. Enhanced awareness of the role of institutions like BISAG-N in national progress.

The visit was a highly enriching experience for the students, allowing them to witness the practical application of concepts learned in the classroom. The insights gained during the visit will undoubtedly motivate them to pursue advanced learning opportunities and contribute to technological innovation.





