Gyanmanjari Innovative University, Bhavnagar

Department of Information Technology

Visit Report

02/02/2026

At

BISAG, Gandhinagar.

Prepared by:

Prof. Japan M. Mavani

H.O.D	**Principal**
Prof. Dhaval R. Chandarana	Dr. H. M. Nimbark

Content

Acknowledgement

We are deeply indebted to the principal **Dr. H. M. Nimbark Sir,** without whose guidance and corporation tour would not been possible.

Our sincere gratitude to **Head of Department Prof. Dhaval R. Chandarana Sir** for giving us permission to go for such an Industrial visit.

We also express our sincere gratitude to **Prof. Samuel R. Patel, Prof. Sivani V. Bhamani** who has taken a lot of efforts for getting success at each and every step and coming along with us.

We will like to thank **Prof. Japan M. Mavani** and our college for being supportive all the time and giving such a good opportunity to see and interact with the corporate world in college life itself.

Industry Snapshot

The industrial visit to **BISAG-N, Gandhinagar**, marked an important academic milestone for the students of **B.Tech Semester 2 – Class Y**, as it introduced them to a technology-driven national institution at an early stage of their engineering education. Unlike conventional IT companies, BISAG-N represents a convergence of research, governance, and real-world technological deployment.

The institute functions at the intersection of **space applications, geo-informatics, satellite systems, GIS, and digital governance**, offering students a rare opportunity to witness how technology directly supports public administration and national development. This exposure helped students recognize that Information Technology extends far beyond software development and commercial applications.

For second-semester B.Tech students, the visit served as a first encounter with large-scale, responsibility-driven technological systems. Observing such an institution helped students appreciate the scale, precision, and accountability involved in national-level technology projects.

The visit was academically guided by **Prof. Samuel R. Patel** and **Prof. Shivani V. Bhamani**, whose coordination ensured that students remained focused, inquisitive, and disciplined throughout the learning experience.

<u>Visit Objectives</u>

The visit was planned not merely as an industrial exposure, but as a **perspective-building exercise** for early-stage engineering students. One of the core objectives was to broaden students' understanding of where and how engineering knowledge is applied beyond classrooms and laboratories.

Another key objective was to introduce students to the **societal role of technology**. By observing BISAG-N's involvement in governance, planning, disaster management, and public services, students were encouraged to reflect on how engineering decisions can impact millions of people.

In essence, the visit sought to shift student thinking from "what do I study" to "what can I build, support, or improve through technology."

Focus areas of the visit included:
- Exposure to non-commercial, mission-driven technology environments
- Understanding engineering roles in governance and public infrastructure
- Encouraging analytical and inquiry-based thinking
- Inspiring socially responsible engineering perspectives

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Monday, 02/02/2026 11:19 AM GMT +05:30

Learning Insights

The visit enabled students to observe how **data, systems, and engineering logic** are transformed into actionable solutions at a national scale. Demonstrations related to satellite imagery, GIS platforms, and integrated digital systems helped students visualize how abstract academic concepts are applied in practice.

Students gained clarity on how multiple engineering disciplines collaborate—data processing, networking, system integration, visualization, and decision-support systems—highlighting the interdisciplinary nature of modern engineering challenges.

The visit encouraged students to ask deeper questions, connect theory with application, and begin viewing their curriculum as a foundation for real-world problem-solving rather than isolated subjects.

Notable learning insights included:
- Practical relevance of GIS and satellite-based systems
- Importance of system accuracy and scalability
- Role of teamwork and coordination in large projects
- Application of IT in governance and public welfare

Key Takeaways

The BISAG-N visit emerged as a **thought-shaping experience** for B.Tech Semester 2 students. It expanded their understanding of what engineering careers can look like and how technology can be aligned with national priorities and societal needs.

Students returned with a stronger sense of purpose, curiosity, and motivation to explore advanced domains in later semesters. The visit helped them realize that early academic efforts directly influence future opportunities in research, innovation, and responsible engineering roles.

Beyond technical exposure, the experience instilled values of **discipline, accountability, and ethical responsibility**, which are essential traits for engineers contributing to critical infrastructure and public systems.

Overall, the visit successfully reinforced the philosophy of **"Learning Beyond Classrooms"**, leaving students better informed, more inspired, and more aware of the broader impact their engineering education can have.

Key takeaways from the visit included:
- Broadened vision of engineering career pathways
- Early exposure to research-oriented institutions
- Increased motivation toward interdisciplinary learning
- Stronger connection between education and societal impact

THANK YOU