



BISAG VISIT REPORT

NAME OF THE INDUSTRY: BISAG

DATE: 1st FEBRUARY, 2024

VENUE: Near CH '0' Circle, Indulal Yagnik Marg, Gandhinagar – Ahmedabad Highway, Gandhinagar-382007 Gujarat, India.

NO. OF STUDENTS PARTICIPATED: 27 (Third Year EC Students)

FACULTY MEMBERS: 02

Prof. Rohit Parmar

Dr. Mehul Shah

The objectives of Industrial are to enhance the knowledge of students, to make aware of real industry, to know the persons of industry and what is the working role of the person in the industry.

One day industry visit to BISAG (Bhaskaracharya Institute for Space Applications and Geo-informatics) was organized by Electronics & Communication Engineering Department, GCET for their 5th-semester students as a part subject activity. The visit was planned for making observations in the desired framework of the course.

Bhaskaracharya National Institute for Space Applications and Geo-informatics{BISAG-N} is an Autonomous Scientific Society registered under the Societies Registration Act, 1860 under the MeitY, Government of India to undertake technology development & management, research & development, facilitate National & International cooperation, capacity building and support technology transfer & entrepreneurship development in area of geo-spatial technology.

This visit was planned in association with GCET ISTE Society.



Objectives of the Visit:

- Gain insight into the functioning and activities of BISAG.
- Understand the applications of space technology and geo-informatics in different sectors.
- Explore potential collaborations or partnerships with BISAG for future projects.

Observations and Findings:

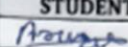



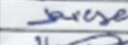

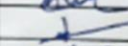

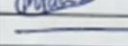
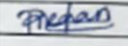
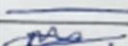
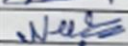
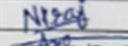
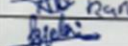

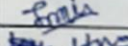

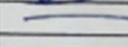

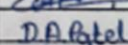
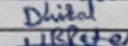

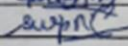
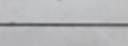
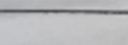

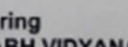
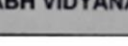



- **Infrastructure:**
 - BISAG is housed in a modern facility equipped with state-of-the-art laboratories, data processing centers, and research facilities.
 - The institute maintains a sophisticated network of servers and computing systems to handle large volumes of satellite data and perform complex analyses.
- **Research and Development:**
 - BISAG conducts extensive research in satellite remote sensing, geographic information systems (GIS), and global navigation satellite systems (GNSS).
 - Researchers are engaged in developing innovative applications for agriculture monitoring, urban planning, natural resource management, and environmental monitoring.
- **Training and Capacity Building:**
 - BISAG offers various training programs and workshops to professionals, researchers, and students to enhance their skills in space technology and geo-informatics.
 - The institute collaborates with educational institutions and government agencies to promote awareness and build capacity in the field of geospatial technologies.
- **Applications in Agriculture:**
 - One of the significant applications of BISAG's work is in agriculture. Satellite imagery and GIS data are used for crop monitoring, yield estimation, and precision farming.
 - Farmers are provided with actionable insights derived from satellite data to improve agricultural practices and optimize resource utilization.
- **Disaster Management:**
 - BISAG plays a crucial role in disaster management by providing timely information and analysis during natural disasters such as floods, cyclones, and earthquakes.
 - Satellite data are used for damage assessment, evacuation planning, and post-disaster recovery efforts, helping authorities make informed decisions and mitigate risks.

PHOTOGRAPHS





SIGNATURE LIST

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