Department of Computer Engineering

Visit Report

27/02/2024

At

BISAG, Gandhinagar

Prepared by:

Prof. Tanvi D. Oza

H.O.D	**Principal**
Prof. Prashant J. Viradiya	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. Prashant J. Viradiya Sir** for giving us permission to go for such an Industrial visit.

We also express our sincere gratitude to **Prof. Tanvi D.Oza and Prof.Ashish P. Gohil,** who has taken a lot of efforts for getting success at each andevery step and coming along with us.

We will like to thank **Prof. Prashant J. Viradiya** 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.

INFORMATION

Bhaskaracharya Institute for Space Applications and Geo-informatics (BISAG) is a state level agency by Government of Gujarat to facilitate to provide services and solutions in implementing map-based Geo-Spatial Information Systems. BISAG's SATCOM network is a satellite communication network service to provide distant interaction statewide. Currently BISAG is working to implement geo-spatial technologies for the planning and developmental activities pertaining to agriculture, land and water resource management, wasteland/watershed development, forestry, disaster management, infrastructure and education.

BISAG Scientists provide GIS and Geo-informatics-based software and web applications to government of Gujarat. In academic research section there are many research papers published by BISAG scientists. The major research areas are as follows.

1. Networking
2. Big Data Mining
3. GIS & Geo-informatics
4. Machine Learning & Neural Networks
5. Image Processing
6. Information Security
7. Image enhancement and retrieval
8. Image Registration and satellite image processing

There was a huge gate of Entrance. Its surrounding was pure clean. There were number of employees working. It is dream to get job in BISAG to work for our nation.

(A)   Front View of BISAG

PURPOSE OF VISIT

❖ Industrial visits are important for the following reasons:

1. To gain a practical knowledge of the actual working of the organization.

2. To get the practical knowledge of the project development process.

3. To adopt criteria about the management.

4. To study co-ordination between different departments.

5. How to control various circumstances.

In order to achieve the above-mentioned objectives, we had organized an industrial visit at BISAG, Gandhinagar for 4th Sem. Diploma Computer Genius Students.

❖ Significance of the Industrial Tour

The basic objective of having industrial tour is for studying various aspects related with different industrial units.

The different techniques and methods being used in industries are studied in order to gain wide outlook concerning industrial activities for that purpose.

What we Learnt?

On 20th Feb., 2024   at 11:00 A.M. we reached at BISAG (Gandhinagar) Branch which is **Bhaskaracharya Institute for Space Applications and Geo-Informatics**.

Our faculty members lead us. All the students of IT branch were in discipline. It was a huge building with tight security. The director of BISAG gave the permission to visit the exhibition. The visit is divided into two parts.

Part-1 We have visited the studio of BISAG which is used for live telecast under SATCOM Program. SATCOM NETWORK is a satellite communication network service consisting of a subsidiary network of various educational institutions, government departments, voluntary agencies etc .to facilitate easier and faster distant interaction in the developmental and educational activities of the state.

Visit Report

This program is called as a "VANDE GUJARAT". VANDE GUJARAT" is a state owned television channel Educational, Geographical Television in India owned by BISAG and ISRO.

Under the Training and Development Communication channel and "EDUSAT" programs of ISRO, Government of India, and the Government of Gujarat initiated the telecasting of the educational, skill development, training and awareness programs through TV broadcasting.

over the last decade, this program has emerged very popular as well as very useful to various departments of Gujarat Government. Over 50,000 receiving class rooms equipped with Ku band receivers have been established by different stake holders in the Gujarat State. Annually, about 3700 hours of live programs are telecast on these channels.

Part-2 they have conducted one informative seminar on services provided by BISAG and their software development center. They have guided us with very useful information about training program as well as summer program conducted by BISAG.

They have also discussed about the various other activities of BISAG like Satellite Communication, Remote Sensing Applications, Global Navigation Satellite System and Land Survey, Disaster Management, Software Development etc. They also encourage our students to be a part of their Education, Research and Training activity.

Personal Experience of Students

The industrial tour was the interface between the college life and the corporate world. We all enjoyed this Industrial visit with ample of things learning, gaining knowledge, having different experiences and having a great journey. This visit would not have successfully coordinated by our student coordinators **Gohil Daxaraj , Lakum Aryan and Kanzariya Rudra** and the most important we would not have enjoyed and gone without our faculty coordinators **Prof. Tanvi D.Oza and Prof. Ashish P. Gohil.**

Conclusion

The experience of this tour was really fantastic and unforgettable. It was reverberating experience which cherished all of us.

Students got valuable information about different aspect of space application center. We got to learn a lot many more things from this tour.

THANK YOU