

SARVAJANIK COLLEGE OF ENGINEERING AND TECHNOLOGY

ELECTRONICS & COMMUNICATION DEPARTMENT

A
Industry Visit Report
At
BiSAG, Ghandhinagar and Science center

On 11th March 2022

FACULTY GUIDES:

Prof. Chhaya Suratwala
Prof. Chintan Panchal

Total No. of Students: 48 (2nd and 3rd EC students)

AN ENTHRILLING JOURNEY TO BISAG



With all enthusiasm and precautions after 2 years of tiresome pandemic the journey towards the destination started at 4:35 AM with about 50 students in the list. There were 3 stops within the course of time where the comrades were given time to freshen themselves up, with the 3rd stop extending up to 30 minutes. It took up to about 4 hours to reach BISAG due to certain constraints.

At around 12:15 PM we reached the place wherein the students were received by two of the members Mr. KAMLESH and Mr. JAYESH and a photographer. Since it had been a tedious journey of 4 hours the students were given refreshment for 10 minutes and then had a few photographs clicked.

Once the refreshments were winded up all were accommodated in a studio of the “ACADEMY OF GEOINFORMATICS FOR SUSTAINABLE DEVELOPMENT”. The entire process taking place at the centre was explained by MISS.MONIKA AND MR.NAYAN. BISAG uses CROMA technology and telecasts educational purpose programs and it has about 240 msec delay in total before it reaches our homes.

Explained regarding how audio and video signals are made in their studios and how using QPSK modulation and other methodologies (encoding, multiplexing, power amplification etc.) signals are sent through the transmitting antenna.

BISAG has a total of 10 satellite studios in which 2 are VIP studios. Performance of the antenna is measured using special type of software's. The scanning rate is measured on the basis of angular position, season, area and various other parameters.

Same technologies are used for both live programs and recorded one's, the only difference being that recorded one's are edited before broadcasting. Scanning rate is being done using GSET15 with an angular position of 93.5 degree.



Once the explanation regarding the working was done all were taken to the control room wherein all the equipment's and control panels were shown and description regarding the physical parameters of the antenna such as the diameter, type, bandwidth etc. was given

Once this was done, all of us were taken to a seminar hall where we given information regarding the history of BISAG and various other applications and information about its previous works and other theoretical aspects. At around 2:30 PM we left the BISAG campus and after 1 hour the bus came to a halt for the lunch break for about 30 minutes.

Then all of us proceeded towards the science city. After a tedious afternoon science city was like a lake in the desert. Every student had the liberty to enjoy to their fullest; the trip to science city was a very refreshing move. After going through the city at around 7:30 PM we left for our homes and at around 9:00 PM, we had a halt for refreshment.

After such a long journey, all of us had been drained out of energy and had taken a short nap. At around 2:30 AM we reached our college campus and the beautiful and memorable trip came to an end.



Industrial Visit: BISAG

Date: 11/3/2022

Prof. Chintan Panchal - 9909152281

Prof. Chhaya Suratwala - 9727790930

	Name	Contact No.	Slot 1	Slot 2	Slot 3	Slot 4	Slot 5	Slot 6
1.	Disha Diyora	9328115275	Disha	Disha				
2.	Nisha Bagadia	7405504468	Nisha	Nisha				
3.	Samhitha maddali	9998272378	Samhitha	Samhitha				
4.	RITAVI SHAH	9870041962	Ritavi	Ritavi				
5.	Meet Ghantala	9974595038	Meet	Meet				
6.	Vatsal kheni	9537994079	Vatsal	Vatsal				
7.	Gadhia Priyanshi	8141580291	Gadhia	Gadhia				
8.	Sakshi Derasari	9898355694	Sakshi	Sakshi				
9.	RANDERI BRIJAL	6352184178	Brijal	Brijal				
10.	Hardik Patel	8780528538	Hardik	Hardik				
11.	Krutik Kargar	9512476732	Krutik	Krutik				
12.	Greeva mavani	9909094412	Greeva	Greeva				
13.	Shruti Vaghani	9106136965	Shruti	Shruti				
14.	Drashti virani	9316734880	Drashti	Drashti				
15.	prempipaliya	9558307346	Prem	Prem				
16.	Muskan Jhavar	7202095213	Muskan	Muskan				
17.	Abanob Bhanu	7043775099	Abanob	Abanob				
18.	Khushi Fatnani	9998029494	Khushi	Khushi				
19.	Krupali Surani	9106708048	Krupali	Krupali				
20.	Pratik buha	9638385987	Pratik	Pratik				
21.	Parth Patel	9978933381	Parth	Parth				
22.	Karan soni	8780538589	Karan	Karan				
23.	Vaishvi Pandya	7990456592	Vaishvi	Vaishvi				
24.	Harshini sistu	9510575361	Harshini	Harshini				
25.	Eaqlain	8758368617	Eaqlain	Eaqlain				
26.	Chavi kothari	9510390414	Chavi	Chavi				
27.	Singh Ankikumar	8238511677	Ankit	Ankit				
28.	Azalfa naz shaikh	9106849102	Azalfa	Azalfa				
29.	Karina Agarwal	9409277612	Karina	Karina				
30.	Geet Bhatt	9967052451	Geet	Geet				
31.	Hetav Raval	8460113189	Hetav	Hetav				
32.	Jigar Adhvaryu	8140664146	Jigar	Jigar				
33.	Ujas Patel	7228977098	Ujas	Ujas				
34.	Mohit dhabuwala	8347693000	Mohit	Mohit				
35.	Rutvik Sojitra	9510868465	Rutvik	Rutvik				
36.	Sanket Kanani	9979882381	Sanket	Sanket				
37.	Yash Patel	7874986108	Yash	Yash				
38.	Shradha	8000225273	Shradha	Shradha				
39.	Sarvaya Nimesh	7405567704	Sarvaya	Sarvaya				
40.	Gautam Vatiyani	8155021644	Gautam	Gautam				
41.	Priyanshi Ghelani	9313245258	Priyanshi	Priyanshi				
42.	Janvi Nariya	7990293156	Janvi	Janvi				
43.	Priyam Kakadiya	9016094332	Priyam	Priyam				
44.	Aarya Shah	9979941905	Aarya	Aarya				
45.	Sarangi Kotadia	7096023663	Sarangi	Sarangi				
46.	Dhaval Sorathiya	7990065795	Dhaval	Dhaval				
47.	Nit Talaviya	9825178702	Nit	Nit				
48.	Pishi Joshi	9016234311	Pishi	Pishi				