

**SMT. SHANTABEN HARIBHAI GAJERA
ENGINEERING COLLEGE - AMRELI**



**A
REPORT
ON
INDUSTRIAL VISIT AT
“ISRO - AHMEDABAD”**



**ORGANIZED BY
DEPARTMENT OF COMPUTER ENGINEERING**

**PREPARED BY:
MEHUL KHASIYA**

As per the culture of **Smt. Shantaben Haribhai Gajera Engineering College – Amreli**, every academic year **Department of Computer Engineering** organizes industrial visit for computer engineering students. In Current Academic year 2018, Computer Department has organized an Industry Visit.

Industrial Visit: ISRO (Indian Space Research Organization) - Ahmedabad

Faculty Members:

- 1) Prof. Vasanti Chavda (Assistant Professor in Department of Computer Engineering)
- 2) Prof. Mehul Khasiya (Lecturer in Department of Computer Engineering)

Students: 4th & 6th Semesters of Computer Engineering

Visit Date: 14/03/2018, Wednesday

Total Students: 34





OBJECTIVES OF INDUSTRIAL VISIT

1. To understand the working functionality of Satellites
2. To enhance technical knowledge of students
3. To know about task to perform in ISRO
4. To bring awareness of activity in VSSE
5. To know working role of a scientist in ISRO



ABOUT ISRO (VSSE)

Indian Space Research Organisation, formed in 1969, superseded the erstwhile INCOSPAR. Vikram Sarabhai, having identified the role and importance of space technology in a Nation's development, provided ISRO the necessary direction to function as an agent of development. ISRO then embarked on its mission to provide the Nation space based services and to develop the technologies to achieve the same independently.



ISRO PROFILE

Vikram Sarabhai Space Centre have Main Engine and Stage Test Facility at ISRO. This centre also designs and develops the optical and microwave sensors for the satellites, signal and image processing software, GIS software and many applications for Earth Observation (EO) Programme of ISRO. These applications are in diverse areas of Geosciences, Agriculture, Environment and Climate Change, Physical Oceanography etc.



The major programmes at VSSC include Polar Satellite Launch Vehicle (PSLV), Geosynchronous Satellite Launch Vehicle (GSLV) and Rohini Sounding Rockets as well as the development of Geosynchronous Satellite Launch Vehicle (GSLV) Mk III, Reusable Launch Vehicles, advanced technology vehicles, air-breathing propulsion and critical technologies towards human spaceflight.

ABOUT VISIT

Students of Computer Engineering Department learnt so many things from this visit organized on 14/03/2018 ON 11:00 A.M.

Scientist J.P.Joshi Sir explained about how launching and working of satellite.

He also explained about the different types satellites and integrated parts of satellite which is already done by ISRO. He also gave a good presentation with 3D movies about current working and future projects of ISRO.



CONCLUSION

It was a Wonderful experience for all students as well for staff. Every student was very cooperative to each-other as well to the faculties. Students were acquainted of ISRO (Vikram Sarabhai Space Exhibition).

We (all students and staff members) are very much thankful to Campus Director Mr. Hashmukhbhai Patel, Dr. Vishal Patidar (Academic Director) and Prof. Vimal Kachhadiya, Principal of Smt. Shantaben Haribhai Gajera Engineering College - Amreli for giving their valuable support.

We are also very much thankful to Main Incharge Mr. H.B.Pandya, J.P.Joshi scientist of ISRO (VSSE) & other staff for their co-operation during the visit.