



Sarvajanik Education Society
Sarvajanik College of Engineering & Technology
Master of Computer Application Department

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Report On Industrial Visit at ISRO

*"Climbing to the top demands strength,
Whether it is to the top of Mount Everest or to the top of your career."*

— A.P.J. Abdul Kalam

Highlights of Industry Visits:-

1. *A detailed session on 4 types of Indian Satellites. Navigation Satellite, Communication Satellite, Interplanetary satellite and Remote Sensing Satellite.*
2. *A brief information about Career at ISRO and How to apply.*
3. *A detailed demonstration of Latest launch vehicle of ISRO LVM III*
4. *A brief introduction to Navigation with Indian Constellation (NavIC)*

The visit was started at 3.00 AM from Surat to Ahmedabad by bus. Our 1st year students were very much excited to visit ISRO-Ahmedabad on 8th Feb 2023, Wednesday. They were eager to get know how satellites & launchers works, what are the opportunities for computer sciences students, what kind of efforts one has to put to become the part of ISRO.

The visit started with a detailed session on 4 types of Indian Satellites namely Navigation Satellite, Communication Satellite, Interplanetary satellite and Remote Sensing Satellite followed by a brief about opportunities for computer science students and how to apply for internship at ISRO.

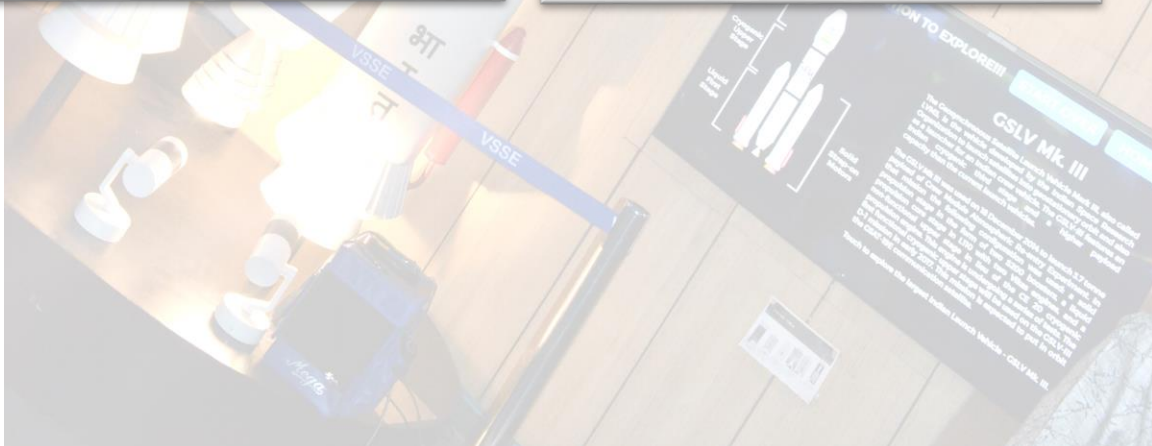
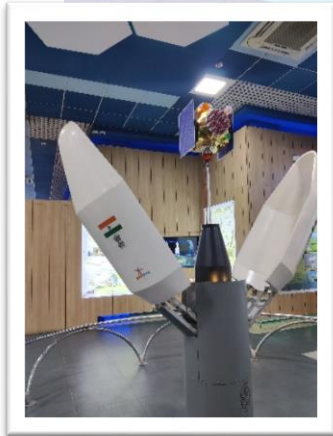
The volunteers has given an insight of LVM III, The experimental flight of GSLV MK-III designated as GSLV MK-III X, carried Crew module Atmospheric Reentry Experiment (CARE) as its payload.

By the time we were mesmerized with LVM III and CARE, there were many more surprise elements were waiting for us. The team ISRO explained & discussed the real time Satellite with Demo. The explanation started with basic hardware, what are types of antennas, what are payloads, how ingestion chamber works, why fuel is required in the chamber, why batteries were used, what are solar panels. The students were delighted to see prototype of solar system with all the planetary information.

The visit was ended with a group photo with team member of ISRO. The students were motivated as ISRO has opened the door for Computer students & making them understand how they can be part of such a PROUD organisation.

At 2.00 pm, we headed towards our next destination – Ahmedabad Science City. We visited Robotic Gallery in the science city. The huge replica of the transformer robot leaves you awestruck right at the entrance. Each floor in the gallery is dedicated to showcase the utility and applications of robots in different fields including medicine, agriculture, space, defense, and its uses in everyday life. Boasting of over 200 robots of 79 different kinds with different robotic workshop kits- the robotic gallery certainly is a one stop robotics destination.

Some quick look of Visit





With an endless support of our principal, Prof. (Dr). Hiren Patel, and our HEAD, Prof. Prashant Keswani, MCA department has organized an INDUSTRIAL Visit to ISRO-Vikram Sarabhai Space Exhibition (VSSE) Space Applications Centre, Ahmedabad.

The tour was planned by Prof. Zankhana Vaishnav & Prof. Mayank Jain and was accompanied by Prof. Prof. Zankhana Vaishnav, Prof. Jayana Ahuja, Prof. Mayank Jain & Prof. Riddhi Patel.

