



A REPORT ON ONE DAY INDUSTRIAL VISIT

Place of Visit: U R RAO Satellite Centre, Bangalore

Date of Visit: 22nd & 23rd February 2024

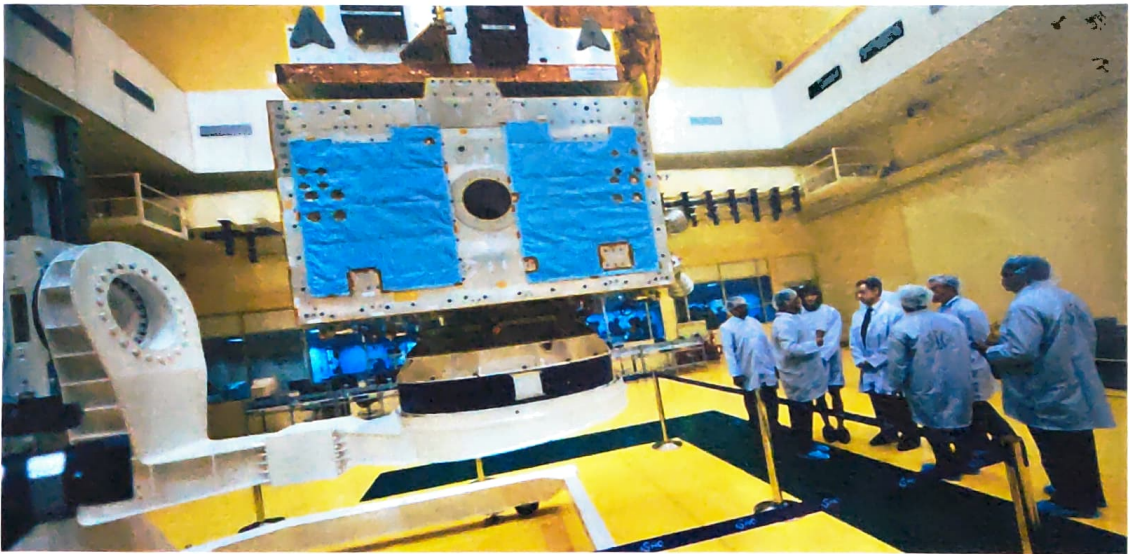
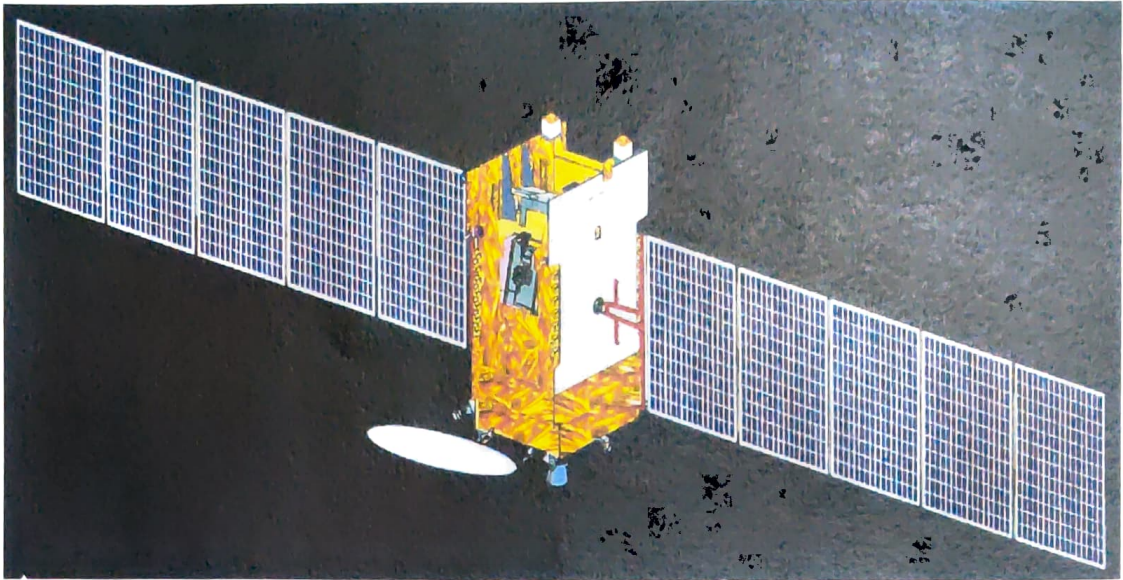
Faculty visited: Dr. Electa Alice Jayarani, Mrs Sangeetha V, Mrs. Bhanumathi V, Mrs. Radhika S,

Students: 5th Semester A & B (Total 105 students)

Department Electronics and communication under **IETE student's forum**, IEEE, ISTE and IEI organized one day industrial visit for 5th Semester students along with faculty members to “**U R RAO Satellite Centre**”, ISRO, Bengaluru on 22nd & 23rd February 2024

ISRO Satellite Centre (ISAC) is the lead centre of the Indian Space Research Organization (ISRO) responsible for design, development, assembly & integration of communication, navigation, remote sensing, scientific and small satellite missions. Scientist Mr. Srinivasa explained each and every display unit kept for the exhibition. It includes the models of the first Indian satellite Aryabhata, APPLE, INSAT series etc. Satellites are basically of two types- Indian Remote Sensing (IRS) satellites and communication satellites. IRS-1A was the first remote sensing mission undertaken by the Indian Space Research Organization (ISRO). It was a part-operational, part-experimental mission to develop Indian expertise in satellite imagery.

The ‘clean room’ concept for assembling of satellites was shown to us. Currently scientists were working on Aditya and Gaganyaan. At last, Scientists answered many of the doubts which students had about satellite launching. The Industrial Visit was a great benefit for the students to directly understand about the various concepts of satellite and space missions done by ISRO.





GPS Map Camera



Google

Bengaluru, Karnataka, India
XM63+MHM, Kodihalli, Bengaluru, Karnataka 560075, India
Lat 12.961558°
Long 77.654292°
22/02/24 12:51 PM GMT +05:30



GPS Map Camera



Google

Bengaluru, Karnataka, India
No 3490, 2nd Floor 4th H Blk, 80Ft Rd, Banshankari, near KSIT Engineering College, Raghuvanahalli, Bangalore City Municipal Corporation Layout, Bengaluru, Karnataka 560062, India
Lat 12.879561°
Long 77.544309°
22/02/24 09:59 AM GMT +05:30



GPS Map Camera



Google

Bengaluru, Karnataka, India
No 3490, 2nd Floor 4th H Blk, 80Ft Rd, Banshankari, near KSIT Engineering College, Raghuvanahalli, Bangalore City Municipal Corporation Layout, Bengaluru, Karnataka 560062, India
Lat 12.879569°
Long 77.544315°
22/02/24 09:58 AM GMT +05:30

Outcomes of the visit:

- Learning about new inventions in the field of design, development, assembly & integration of communication, navigation, remote sensing, scientific and small satellite missions.
- Gaining the knowledge about various satellites developed and launched by ISRO
- From this visit the students were able to find their field of interest

We would like to thank our Management, Principal and H OD of ECE Dept for arranging this industrial visit which was very informative and useful for the students. Also, we thank transport Dept for arranging bus facility for the industrial visit.

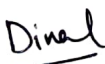
Mapping of FDP with PO'S and PSO'S

Program	PO 1	PO 2	PO 3	PO 4	PO 5	PO 6	PO 7	PO 8	PO 9	PO1 0	PO1 1	PO1 2	PSO 1
Industrial visit	-	-	-	2	-	-	-	-	2	2	2	2	2

- **PO4:** Participants can identify complex problems for project work
- **PO9:** Individual & Team work
- **PO10:** Participants can communicate effectively by gaining knowledge about satellites and antennas
- **PO11:** Project Mgmt. & Finance
- **PO12:** Participants can apply the basic knowledge in lifelong learning.
- **PSO1:** Participants are able to understand and apply communication tools to various fields of Radar, Antenna and satellite communication

Industrial visit coordinators

Dr. Dinesh Kumar D S



Mr.Satish Kumar B



HOD ECE

HEAD OF THE DEPARTMENT

Dept. of Electronics & Communication Engg.
K.S. Institute of Technology
Bengaluru - 560 109.



Principal

PRINCIPAL

INSTITUTE OF TECHNOLOGY
BENGALURU - 560 109.