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**K.S. INSTITUTE OF TECHNOLOGY**

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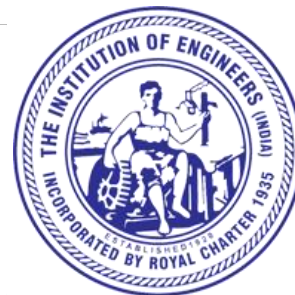
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## A REPORT ON ONE DAY INDUSTRIAL VISIT

**Place of Visit:** U R RAO Satellite Centre, Bangalore

**Date of Visit:** 28<sup>th</sup> April 2023

**Faculty visited:** Mr.Praveen A, Mr.Satish Kumar B, Mrs. Bhanumathi A, Mrs.Kavya B M

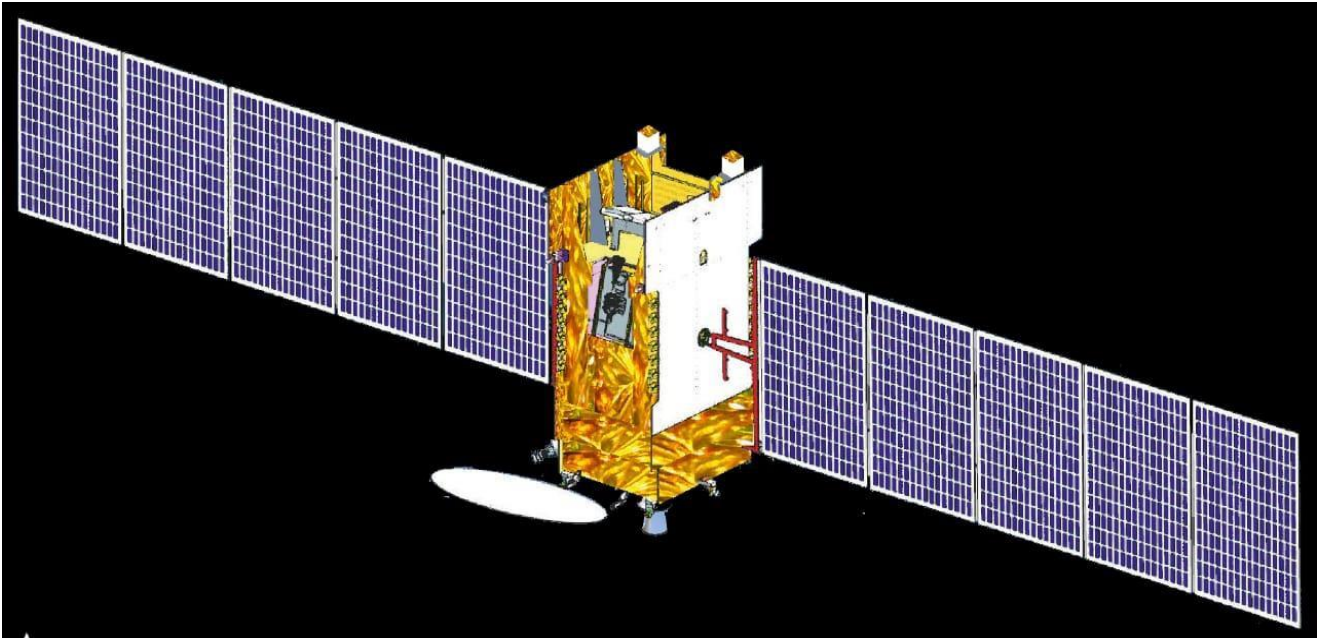
**Students:** 6<sup>th</sup> Semester A & B (Total 112 students)

Department Electronics and communication under IETE student's forum, IEEE, ISTE and IEI organized one day industrial visit for 6<sup>th</sup> Semester students along with faculty members to "U R RAO Satellite Center".

ISRO Satellite Centre (ISAC) is the lead center 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 were 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.





### **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	PO1	PO2	PO3	PO4	PO5	PO6	PO7	PO8	PO9	PO10	PO11	PO12	PSO1
Industrial visit	-	-	-	2	-	-	-	-	3	3	3	2	3

- **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**

**HOD ECE**

**Principal**

**Mr.Satish Kumar B**