



Academic Year 2022-23

**Report on Bengaluru Industrial Visit to
“U R Rao Satellite Center, HAL, IISC”**

1. **Event Title:** Report on Industrial Visit
2. **Event Date:** 01st - 04th MAR 2023
3. **Event Conduction Duration:** 4 Days
4. **Event Venue:** Bengaluru
5. **Students:** Aerospace Engineering TE.
6. **Name of Event Coordinators:** Mr Sandeep Juluru
7. **Event Outline, Objective & Outcome:**

a. Event Outline & Objective:

The objective of this Industrial Visit was to enlighten the students about the Research activities of Indian Space Organization like ISRO, HAL and IISC Bengaluru.

Some glimpses of Visit are:

Day 1: U R Rao Satellite Center

Mr. Srinivas is guided all the students in the visit. He has delivered a talk on ISRO establishment, Missions with a video and explained about the various testing facilities. He also shown us the assembly of satellites through a gallery. Students can able to acquire knowledge various satellites and missions of ISRO through exhibition at the Center. At last he cleared all the doubts of students with a question and answer session.





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Day 1: HAL Museum

We have reached HAL at 3:30 PM. There are two major halls to visit, one displaying the photographs and charts about the growth of aviation in each decade from 1940 till date and a Hall of Fame that takes the visitors on an exciting journey through the Heritage of Aerospace & Aviation Industry in India and the second Hall highlights the various functions of an Aero Engine by displaying motorized cross sections of various models of Aero Engines. Real Engines such as Garret (for Dornier Aircraft), Adour (for Jaguar Aircraft) and Orpheus (for Kiran Aircraft) can be seen here along with Ejection Seat with Parachute; and Pushpak & Basant Aircraft. Outdoor display of Aircraft such as MARUT, MIG-21, HT-2, KIRAN, CANBERRA, AJEET, LAKSHYA (Pilotless Target Aircraft) & many more.



Day 2: Visvesvaraya Industrial and Technological Museum

In Visvesvaraya Museum students, we have a very great experience on 02-03-2023. Engine Hall exhibits engines of various cars, machines used in industry, a jet aircraft engine, and other mechanical devices. Exhibits include the pulley system, gears, and different ways of transferring motion, reducing effort by levers, inclined planes, and screws. Another section deals with the application of these simple machines in daily life. The Fun Science gallery that displays exhibits on the science of sound, optics, fluids, math and perception. The Space – Emerging Technology in the Service of Mankind gallery showcases the achievements of the Indian Space Program. It is the first Science Gallery in India dedicated to Space and Space Technology.





Day 3: Mysore

The trip for Mysore has started early Morning 6:30 AM as it is 140 KM away from Bengaluru. We have visited Ranganatha Swamy Temple, Mysore Palace, Tipu sultan Tomb, Chamundeshwari temple and Brindavan Gardens.





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Day 4: IISC Bengaluru

Open day visit of IISC Bengaluru is on 04-03-2023 at 12:00 PM. This the best place for Aerospace Students to know the present research areas in various fields of Aerospace Engineering. We have visited Hypersonic Tunnel, Low Speed Aerodynamics Tunnel and DRDO, Private Aerospace Companies Exhibition.



b. Outcome of the event:

The Industrial visit has successfully completed as per schedule and students have acquired knowledge on present research activities and History of Indian Space programs and HAL. Facilities of IISC Bengaluru.

We are very much Thankful to Honorable Management, Prof Pramod Karole Sir, Prof (Dr). P K Dash sir, Dr. Praksh Burade Sir and Dr. Vishal N Sulakhe sir.