



AKSHAYA INSTITUTE OF TECHNOLOGY

Approved by AICTE, New Delhi, Affiliated to VTU, Belgaum, Recognized by Govt. of Karnataka
Obalapura Post, Lingapura, Koratagere Road, Tumakuru - 572 106, Karnataka



Department of Electronics & Communication Engineering

Report on "Industrial Visit to ISRO"

Date: 12th September 2025

Don't miss the opportunity to be a part of Tumkur's prestigious "Youngest NBA accredited Institution".



Akshaya Institute of Technology

Lingapura, Obalapura Post, Koratagere Road, Tumakuru - 572106
Website : www.ait-tumkur.ac.in



Department of Electronics and Communication Engineering

INDUSTRIAL VISIT TO ISRO

- * 12th September 2025
- * 10.00 am
- * ISRO, U R Rao Satellite Centre, Bangalore



Report on “Industrial Visit to ISRO”

Event Type : One day Industrial Visit to ISRO

Event Date / Duration : 12.09.2025

Names of Coordinator : Mr.Pradeep kumara V H, Mr.K V Siddamal

Mrs.Arshiya Ruheen, Mrs. Sindhu R

Target Audience : V & VII sem, B.E Students of ECE Department.

Total no of Participants : 120

Location: U. R. Rao Satellite Centre (URSC), Bengaluru, Karnataka

Organized by: Akshaya Institute of Technology, Tumakuru, Karnataka





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Karnataka
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Department of Electronics & Communication Engineering



Date: 13/08/2025

To
The Group Director
MDOG
ISRO

Respected Sir,

Sub: Request and Authorization to Permit Students for Industrial Visit – Reg.

We, the Department of Electronics & Communication Engineering, Akshaya Institute of Technology, Tumakuru, hereby thanking your kind permission to allow our students to visit **ISRO** on **dated 12.09.2025 at slot 10.00am to 11.00am and 11.00am to 12.00pm** as part of their academic curriculum and practical exposure.

The visit is intended to enhance the students' understanding of space research, satellite communication systems, and related technologies, which form an integral part of their course.

We hereby **authorize** the following students to participate in the visit and represent the institution. Kindly find the attachment.

The students will be accompanied and supervised by the following faculty members:

- | | |
|---|-------------------------|
| 1. Prof. Siddamal, Dept of ECE | Aadhar No. 953945903399 |
| 2. Prof. Arshiya Ruheen, Dept of ECE | Aadhar No. 847431300960 |
| 3. Prof. Sindhu R Dept of ECE | Aadhar No. 526319159621 |
| 4. Prof. Pradeep kumara V H , Dept of ECE | Aadhar No. 984978130878 |

We assure you that the students will follow all rules and regulations of ISRO during the visit.

Thanking you,

Yours faithfully,

Head of Department

Department of ECE,

Principal

**U.R.RAO SATELLITE CENTRE (URSC)
BANGALORE**

P.V.N. Murthy
MDOG

☎ 080-25082066
studentvisit@ursc.gov.in

19-08-2025

To,
Dr. Yathisha L
The Principal
Dept. of ECE Students
Akshaya Institute of Technology
Lingapura, Tumkur - 572 106
Mobile No: 9902238768

Sir / Madam,

Subject: Permission to visit U R Rao Satellite Centre – Regarding

We are in receipt of your e-mail dated, Aug 08, 2025, requesting for permission to visit URSC. You are allowed to visit Exhibition area, on the following date and time.

12-09-2025	10:00 AM to 11:00 AM	Batch-I-65
	11:00 AM to 12:00 PM	Batch-II-60

On visit day, bring hard copy of the following documents.

1. This approval letter
2. List of students & faculty members (including their AADHAAR Number)
3. A visit authorization letter from Head of the institution.

Other General Instructions:

- Faculty should carry School / College issued ID cards along with their AADHAAR card.
- You are asked to strictly adhere to the time schedule specified above.
- Carrying Mobile phones and taking photographs inside this centre is strictly prohibited.
- Foreign nationals are not allowed.
- Family members will not be permitted.
- After the visit Acknowledgement letter will not be issued from the Organization.
- In case of any exigencies, we may cancel the above visit without any intimation.
- **The details of Vehicle and Driver / Cleaners (Copy of License / Id Proof) shall be sent to reception@ursc.gov.in at least two days prior to Scheduled visit.** The same will be verified with originals before entering the URSC Campus by security personnel.
- **Visit is only to Exhibition area of U R Rao Satellite Centre (Duration: 1 Hr. only)**
- Request to report at least 15 minutes early to Reception Desk – URSC, in order to complete the administrative formalities like, issuing entry passes.

Please note that our office is located on **Old HAL Airport Road, Bangalore - 560 017** next to National Aerospace Laboratories (NAL).

You can contact our Reception on 080 - 2508 4469 or 080 - 2508 4470.

Kindly acknowledge the receipt of this letter.

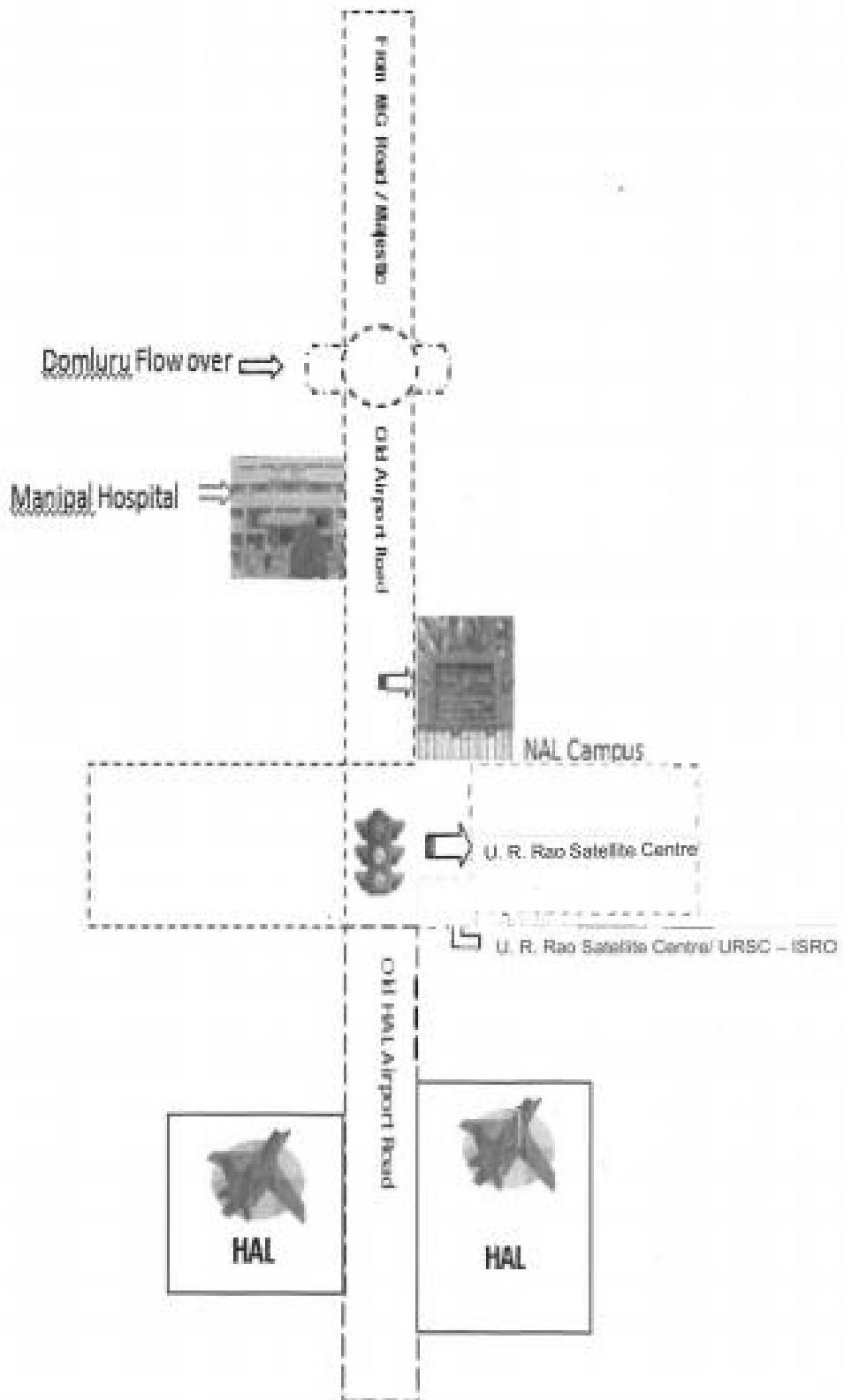
For P. V. N. Murthy
19/8/25

P.V.N. Murthy

Copy to: Administrative Officer (PRO), U R Rao Satellite Centre, Bangalore-17.

Note: Route Map is attached herewith

URSC Route Map



Students Attendance for Industrial Visit-2025-26



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DEPARTMENT OF ELECTRONICS AND COMMUNICATION ENGINEERING

Students Attendance for Industrial Visit to ISRO

5th SEM Student List



Sl.No.	USN	Student Name	Signature
1.	1AK22EC023	MANOJ H G	Manoj-H.G
2.	1AK22EC037	RAKESH S S	Rakesh ss
3.	1AK22EC043	SACHIN MALLIKARJUN	Sachin Mallikarjun
4.	1AK23EC001	AJEYA S T	Ajoya. S.T.
5.	1AK23EC002	AKASH G G	Akash-gg
6.	1AK23EC003	AKASH R	Akash. R
7.	1AK23EC004	AKSHAY RAM R	Akshay R
8.	1AK23EC008	CHAITRA	Chaitra
9.	1AK23EC009	CHANDANA C N	Chandana C.N.
10.	1AK23EC010	CHETHAN C	Chethan C
11.	1AK23EC011	D S VARSHITHA	Varshitha, D.S
12.	1AK23EC012	DAKSHAYINI A V	D.
13.	1AK23EC014	DHARANESH N S	Dharanesh N.S.
14.	1AK23EC015	HARISH K	Harish, K
15.	1AK23EC016	HARSHITHA M M	Harshitha, M.M
16.	1AK23EC017	HARSHITHA N	Harshitha N
17.	1AK23EC018	HEMA G S	Hema G.S
18.	1AK23EC019	KIRAN B N	Kiran B.N.
19.	1AK23EC020	KOMAL GOWDA A	Komal Gowda A

20.	1AK23EC021	LAKSHMI VARAPRASAD REDDY G	<u>Lakshmi</u>
21.	1AK23EC023	MANJULA MALLAPPA UPPAR	Manjula, M. U
22.	1AK23EC024	MANJULA SHANKRAPPA BADIGER	Manjula, S. B
23.	1AK23EC025	MANORAME H S	<u>Manorame</u>
24.	1AK23EC026	MANUSHREE J	<u>Manushree J</u>
25.	1AK23EC027	MANUSHREE P S	Manushree P S
26.	1AK23EC028	MUTHURAJ M	Muthuraj, M.
27.	1AK23EC029	NAYANA P N	Nayana P. N
28.	1AK23EC031	NISHCHITHA C C	Nishitha, C. C.
29.	1AK23EC032	POORNIMA MAHANTESH YALAGACHCHA	<u>Poorna</u>
30.	1AK23EC033	PRAJWAL BHEEMANAGOWDA PATIL	<u>Prajwal</u>
31.	1AK23EC035	PRAKASH MALLI	<u>Prakash malli</u>
32.	1AK23EC036	PRIYA	<u>Priya</u>
33.	1AK23EC038	PUSHPALATHA B	<u>Pushpa</u>
34.	1AK23EC039	RAGHUNANDANBHATT	<u>Ra</u>
35.	1AK23EC040	RAKSHITHA IKAL	<u>Rakshitha.ikal</u>
36.	1AK23EC041	RAKSHITHA K Y	Rakshitha, K. Y.
37.	1AK23EC042	RAKSHITHA N	Rakshitha, N
38.	1AK23EC043	RAMANADRI M	Ramanadri, M.
39.	1AK23EC044	SANGAMESHWAR ANGADI	<u>Sangameshwar</u>
40.	1AK23EC046	SHRAVANI S	Shravani, S
41.	1AK23EC047	SINDHU B V	Sindhu, B. V
42.	1AK23EC049	SRUJAN SHIVANAND KAMBLE	<u>Srujan K</u>
43.	1AK23EC050	SUMIT ANILSINGH RAJPUT	<u>Sumit</u>



44.	1AK23EC051	SUNIL HANAMAPPA UDDAR	Sunil
45.	1AK23EC052	SURESH MALLAPPA KOODAGI	smkoodagi
46.	1AK23EC053	TEJAS B G	Tejas B G
47.	1AK23EC054	THIPPESWAMY D	Thippeswamy D
48.	1AK23EC056	VARSHINI M	Varshini, M
49.	1AK23EC057	VASUNDHARA DEVI G	Vasundhara Devi G
50.	1AK23EC058	VIJAYALAXMI ANKASADADDI	Vijayalaxmi
51.	1AK23EC060	VIKAS N	Vikas N
52.	1AK24EC400	ARBIYA BANU	Arbiya Banu
53.	1AK24EC401	CHANDANA H C	Chandana H C
54.	1AK24EC402	DARSHAN V S	Darshan V S
55.	1AK24EC403	POORNACHANDRA	Poornachandra P.P.
56.	1AK24EC404	PRATHIBHA	Prathibha
57.	1AK24EC405	SHAHID	Shahid

Cordinators

Prof. Pradeepkumara V H, Asst. professor

Prof. Sindhu R, Asst. professor



12/09/25

Sindhu R
9/9/25

HOD/ECE

Dr. Somashekar G.G.
Head of the Department
Electronics & Communication Engineering
Akshaya Institute of Technology
Tumkur - 572 106.

12/09/2025

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DEPARTMENT OF ELECTRONICS AND COMMUNICATION ENGINEERING

Students Attendance for Industrial Visit to ISRO

7th SEM Student List



Sl.No	USN NO	NAME	Signature
1	1AK22EC001	ABHILASH D R	Abhilash
2	1AK22EC002	ABHILASH G J	Abhilash G J
3	1AK22EC003	ABHISHEK BALAGAON	Abhishek Balagaon
4	1AK22EC004	ANJANEY M KALLOLI	Anjaney M Kalloli
5	1AK22EC005	ASHA T A	Asha T A
6	1AK22EC006	BASAVANGOWDA B S	Basavangowda
7	1AK22EC007	BASAVARAJ BAILLANAVAR	Basavaraj BN
8	1AK22EC008	BHAGHYASHREE B	Bhagya Shree B
9	1AK22EC009	BHARATHI H V	Bharathi H. V.
10	1AK22EC010	CHANDRIKA H	Chandrika H
11	1AK22EC011	DEEPAK KOPPARAD	Deepak Koppalad
12	1AK22EC012	E SHILPA	E. Shilpa
13	1AK22EC013	GANESH A V	Ganesh A V
14	1AK22EC014	GEETA JAGADISH MALALI	Geetha Jagadish Malali
15	1AK22EC015	KASTURI HALASAGI	Kasturi H
16	1AK22EC016	KAVYA V	Kavya V
17	1AK22EC017	KEERTHANA R L	Keerthana R L
18	1AK22EC018	KRUTHIKA S	Kruthika S
19	1AK22EC019	LATHA	Latha

20	1AK22EC020	LAVANYA V	Lavanya.
21	1AK22EC021	MALLIKARJUN	Mallikarjun
22	1AK22EC022	MANJUNATH K	MANJUNATH K
23	1AK22EC024	MEGHANA L D	Meghana
24	1AK22EC025	MOHANKUMAR M	Mohankumar
25	1AK22EC026	NARASIMHA NAYAK M S	Narasimha Nayak
26	1AK22EC027	NAVYASHREE G	Navyashree
27	1AK22EC029	NIRMITHA H R	Nirmitha
28	1AK22EC030	PAVITRA G V	Pavitra G V
29	1AK22EC031	PRADEEP PUJARA	Pradeep
30	1AK22EC032	PRAJWAL A R	Prajwal
31	1AK22EC033	PRATHIBHA D	Prathibha D
32	1AK22EC034	PRATHIBHA D S	Prathiba D.S.
33	1AK22EC035	PRIYANKA H	Priyanka
34	1AK22EC036	PRUTHVINI G M	Pruthvini
35	1AK22EC038	RAKSHAK	Rakshak
36	1AK22EC039	RAKSHITA PATTAR	Rakshita
37	1AK22EC040	ROHINI B R	Rohini
38	1AK22EC042	S VENU	S.Venu.
39	1AK22EC044	SACHINKUMAR UDERA	Sachin
40	1AK22EC045	SAHANA V	Sahana
41	1AK22EC046	SANDEEP	Sandeep
42	1AK22EC047	SANJANA M P	Sanjana MP
43	1AK22EC048	SANJAY PRASAD	Sanjay Prasad
44	1AK22EC049	SHANKARGOWDA PATIL	Shankargowda
45	1AK22EC050	SHASHEELKUMAR JAMBAGI	Shasheel Kumar



46	1AK22EC051	SHREEDEVI A MADIVALAR	Shreedevi Madivalar
47	1AK22EC052	SHREENAG M S	Shreenag.M.S.
48	1AK22EC053	SOMMAYYA HIREMATH	Sommaya Hiremath
49	1AK22EC054	SRINIVAS G	Srinivas G
50	1AK22EC055	SUSHMA H M	Sushma H M
51	1AK22EC056	SWAMY H K	Swamy H K
52	1AK22EC057	THEJASVINI P	Thejasvini P
53	1AK22EC058	VAMSHI P R	Vamsi P.R.
54	1AK22EC059	VARSHITHA H	Varshitha H
55	1AK22EC060	VIJYAKUMAR P J	Vijay Kumar P J
56	1AK22EC061	VINOD	Vinod
57	1AK23EC400	AISHWARYA R	Aishwarya R
58	1AK23EC401	GAGAN GOWDA	Gagan Gowda
59	1AK23EC402	SHRAVANA G R	Shravana G R
60	1AK23EC403	VIDYA N V	Vidya N V
61	1AK23EC404	VIJYA KUMAR H	Vijya Kumar H



Cordinators

Prof. Arshiya Ruheen , Asst. professor

Prof. K V Siddamal , Asst. professor

Arshiya Ruheen
12/9/24

K V Siddamal
12/9/24

HOD/ECE

 Dr. Somashekar G.C.
 Head of the Department
 Electronics & Communication Engineering
 Akshaya Institute of Technology
 Tumkur - 572 106.

1. Introduction

An industrial and tour visit was organized by the Akshaya Institute of Technology, Tumakuru, Karnataka for students of [Your Branch/Department, e.g., Electronics and Communication, Mechanical Engineering] to the U. R. Rao Satellite Centre (URSC) of the Indian Space Research Organisation (ISRO) in Bengaluru. The primary objective of this visit was to provide students with a first-hand experience and practical insight into India's space program, satellite technology, and the various activities undertaken by ISRO for national development.

2. Objectives of the Visit

- * To understand the practical applications of space science and technology.
- * To gain knowledge about the design, fabrication, and testing of satellites.
- * To learn about the different types of satellites and their applications.
- * To interact with ISRO scientists and personnel to get an in-depth understanding of their work.
- * To inspire students to pursue careers in space science, research, and related fields.

3. About ISRO and URSC

ISRO, the space agency of the Government of India, is headquartered in Bengaluru. Its vision is to harness space technology for national development. The U. R. Rao Satellite Centre (URSC) is the lead center for designing, developing, and integrating all of India's communication, navigation, remote sensing, and scientific satellites. It is a hub of technological excellence and innovation.

4. Details of the Visit

The group arrived at the U. R. Rao Satellite Centre at **10:30am**. After completing the necessary security formalities, including a check-in process and the issuance of visitor passes, we were welcomed by the ISRO staff and guided to the exhibition and museum area.

* **Exhibition Hall and Museum:** The visit began with a guided tour of the space exhibition. We were shown static and working models of various Indian satellites, including historical milestones like **Aryabhata**, India's first satellite, and more recent missions like **Chandrayaan** and Mars Orbiter Mission (**Mangalyaan**). The exhibits also showcased different types of launch vehicles like the Polar Satellite Launch Vehicle (PSLV) and **Geosynchronous Satellite Launch Vehicle (GSLV)**. Informative panels and visual displays explained the functions of different satellite components, such as solar panels, antennas, and payload systems.

* **Audio-Visual Presentation:** Following the exhibition, we were taken to a seminar hall for an interactive session and an exclusive video presentation. The video provided a comprehensive overview of ISRO's history, its achievements, and its future missions. It detailed the entire process of a satellite mission, from the initial design phase to its launch and in-orbit operations. The presentation highlighted ISRO's role in areas like weather forecasting, disaster management, communication, and navigation.

* **Interaction with Scientists/Engineers:** A key highlight of the visit was the Q&A session with a senior scientist/engineer from ISRO. The students had the opportunity to ask a wide range of questions about satellite technology, propulsion systems, career opportunities at ISRO, and the challenges faced during space missions. The expert provided detailed and insightful answers, making the session highly informative and engaging.

5. Key Learnings

The visit was an eye-opening experience for all participants. Some of the key takeaways include:

- * **Satellite Technology:** Gained a deep understanding of the different types of satellites (e.g., communication, earth observation, scientific) and their specific applications.
- * **Launch Vehicles:** Learned about the stages of launch vehicles and the fuels used for propulsion.
- * **Clean Room Environment:** Understood the importance of a "white room" or clean room environment for the assembly of sensitive satellite components to prevent contamination.
- * **Multidisciplinary Nature:** Realized that space technology is a multidisciplinary field that combines knowledge from electronics, mechanical engineering, computer science, and material science.
- * **Innovation and Dedication:** Witnessed the dedication and meticulous work of the scientists and engineers who contribute to the success of India's space program.

Photographs:



Akshaya Institute of Technology
Lingapura, Tumkur.

Department of Electronics and Communication Engineering

INDUSTRIAL VISIT TO ISRO

- * 12th September 2025
- * 10.00 am
- * ISRO, U R Rao Satellite Centre, Bangalore

The poster features the Akshaya Institute of Technology logo at the top left, which includes the acronym 'AKSHAYA' and 'TUMKUR'. To the right of the logo are the logos of the National Board of Technical Education (NBTE) and the All India Council for Technical Education (AICTE). The central text is in large, pink, outlined letters. On the right side, there is a graphic of a rocket launch. The bottom of the poster has a blue and white wavy border.



Akshaya Institute of Technology, Tumakuru, Karnataka





AVF/ISAC



AVF/ISAC



AVF/ISAC

EST 20
KSHA
STATE OF TECH
TUMKUR

Group Photos :



Conclusion

The industrial cum tour visit to the ISRO U. R. Rao Satellite Centre was an immense success. It successfully bridged the gap between theoretical knowledge and real-world applications, providing students with a practical and motivating experience. The visit not only enhanced our understanding of space science but also ignited a passion for innovation and research. We are grateful to the management of Akshaya Institute of Technology, Tumakuru, Karnataka and the staff at ISRO for organizing this valuable and inspiring trip.

Note: Photography was strictly prohibited inside the facility, as is standard protocol.

Cordinators

Mr.Pradeepkumara V H, Asst. professor

Mr.K V Siddamal, Asso. professor

Mrs.Arshiya Ruheen, Asst. professor

Mrs. Sindhu R, Asst. professor



HOD/ECE

Dr.Somashekar G C