



SOUTH EAST ASIAN EDUCATION TRUST®

S.E.A. COLLEGE OF ENGINEERING & TECHNOLOGY

(Approved by All India Council for Technical Education (AICTE), New Delhi)

Affiliated to Visvesvaraya Technological University(VTU), Belagavi, Recognised by Government of Karnataka)

DEPARTMENT OF ELECTRONICS AND COMMUNICATION ENGINEERING

Industrial Visit Report - U.R. Rao Satellite Centre, Bangalore



Industry Visited: U.R. Rao Satellite Centre, Bangalore.

Date: 18 JULY 2024

Total No of students: 90(4th and 6th sem)

Faculty Accompanied:

- 1.) Prof. Asha VKR
- 2.) Prof. Deepa Gowda N
- 3.) Instructor. Sujaya
- 4.) Instructor. Mallikarjuna

Introduction:

The industrial visit to U.R. Rao Satellite Centre (URSC) in Bangalore was conducted on **18 JULY 2024** from **1.30 pm to 4.00 pm** for the students of the **4th and 6th semester from ECE, S.E.A College of Engineering and Technology, Bangalore.** The objective of the visit was to provide students with practical exposure to the field of satellite technology, space research, and the operations carried out at URSC.

Company Overview:

U R Rao Satellite Centre, a part of the Indian Space Research Organization (ISRO), is a premier research and development center dedicated to the design, development, and testing of satellites for various applications. It plays a significant role in the Indian space program, contributing to national and international space missions.

Aim of the industrial visit:

1. **To Gain Practical Exposure:** To provide students with practical exposure to the field of satellite technology and space research.
2. **To Understand Industrial Processes:** To familiarize students with the various stages involved in satellite design, development, and testing.

3. **To Explore Career Opportunities:** To expose students to potential career opportunities in the field of satellite technology and space research.
4. **To Observe Technology and Innovation:** To show case the advanced technologies and innovative practices employed at URSC.
5. **To Foster Industry-Academia Collaboration:** To strengthen the relationship between the academic institution and URSC.
6. **To Develop Professional Networking:** To facilitate networking opportunities for students with professionals from the satellite industry.
7. **To Enhance Soft Skills:** To enhance their communication, teamwork, and observational skills.
8. **To Inspire and Motivate:** To inspire and motivate students by showcasing the achievements and advancements made by URSC in the field of satellite technology.

Visit Highlights:

The industrial visit to U.R .Rao Satellite Centre offered the students an in-depth understanding of satellite technology and its applications. The visit encompassed the following key highlights:

1. **Introduction to URSC:** The visit started with an introduction to URSC, including its history, mission, and the significance of its contributions to the space industry. The students gained insights into the various departments and their roles within the organization.
2. **Satellite Design and Development:** The students were given a comprehensive overview of the satellite design and development process. They learned about the different stages involved, such as conceptualization, payload integration, thermal testing, and launch preparation. A video was shown on Chandrayaan 3. Students gained insights on Vikram Lander and Rover.
3. **Satellite Testing Facilities:** The visit included a tour of the satellite testing facilities at URSC. The students witnessed the sophisticated equipment used for environmental testing, vibration testing, and electromagnetic compatibility testing. They were introduced to the rigorous quality assurance processes implemented to ensure the reliability and performance of satellites.
4. **Interaction with Scientists and Engineers:** The students had the opportunity to interact with scientists and engineers working at URSC. They engaged in insightful discussions, clarifying their queries about satellite technology, career opportunities in the field, and the challenges faced in satellite development.
5. **Exhibition and Models:** URSC showcased an exhibition featuring models of various satellites, informative displays, and multimedia presentations. The students had a chance to explore the exhibits, gaining a deeper understanding of the applications of satellites in communication, remote sensing, weather forecasting, and scientific research.

Outcome of the industrial visit:

1. The visit to U.R Rao Satellite Centre resulted in an enhanced understanding of satellite technology and space research among the students.
2. Students experienced real-world applications of satellite technology during the visit.

3. The visit provided students with insights into industry practices followed at U R Rao Satellite Centre.
4. The visit exposed students to potential career paths in the field of satellite technology and space research.
5. The visit facilitated networking opportunities for students. Interacting with professionals from U R Rao Satellite Centre allowed them to establish connections in the industry.
6. The visit highlighted the importance of research and development in the field of satellite technology.

Conclusion:

The industrial visit to **UR Rao Satellite Centre** was an enriching experience for the students. It provided them with a firsthand glimpse into the world of satellite technology and space research. Witnessing the cutting-edge facilities and interacting with professionals from the field broadened their knowledge and sparked their interest in the space industry. This visit served as a bridge between theoretical learning and practical applications, inspiring the students to explore future career opportunities in the field of satellite technology.

Acknowledgments:

We extend our sincere gratitude to **U R Rao Satellite Centre** for hosting our visit and providing us with an invaluable learning experience.

We would like to express our appreciation to the scientists, engineers, and staff members who guided us throughout the visit, sharing their knowledge and expertise. Their efforts made this industrial visit a memorable and insightful experience for all the students.

We express our heartfelt thanks to the **S.E.A College of Engineering and Technology** for their constant support and encouragement. Their vision and commitment to providing quality education have enabled us to undertake such industry-oriented activities, enhancing our practical knowledge and enriching our learning experience.

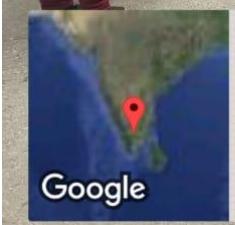
Furthermore, We would like to thank our esteemed **Principal** for approving and supporting this industrial visit. Their encouragement and guidance have always been instrumental in organizing such educational initiatives for the students.

Last but not least, We would also like to extend our gratitude to the **Transport Department** for arranging transportation for the visit. Their logistical support ensured a smooth and comfortable journey for all the participants.

Glimpse of Industrial Visit 2023:



GPS Map Camera



Bengaluru, Karnataka, India

South East Asian College Engineering & Management, Basavanapura Rd, Lourdu Nagar, Virgonagar, Krishnarajapuram, Bengaluru, Karnataka 560049, India

Lat 13.009369°

Long 77.715404°

18/07/24 11:30 AM GMT +05:30

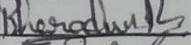
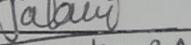
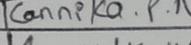
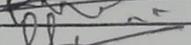
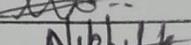
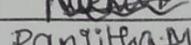
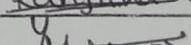
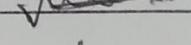
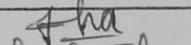
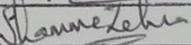
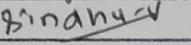
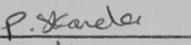
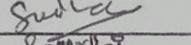
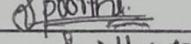
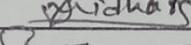
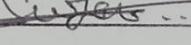
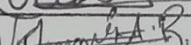
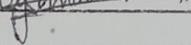
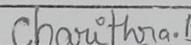
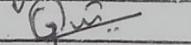
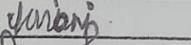
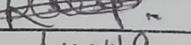
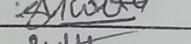
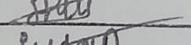
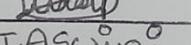
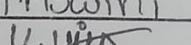
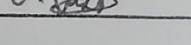


S.E.A College of Engineering and Technology
Department of ECE-IV-Semester -Students List

SI NO	Name of the Student	USN	SEM	Aadhar NO	Signature
1	Abhi S R	1SP22EC001	4	4951 1349 5048	Abhi S R
2	Aishwarya m	1SP22EC002	4	5297 7618 6158	Aishwarya M
3	AKHIL S	1SP22EC004	4	4265 9915 7508	Akhil S
4	ANJALI M	1SP22EC005	4	5460 9759 1083	Anjali M
5	Bhargav A	1SP22EC007	4	3636 3438 0983	Bhargav A
6	Chaithra k R	1SP22EC008	4	5679 3545 8567	Chaithra k R
7	Rupesh	1SP22EC009	4	6384 8232 5625	Rupesh
8	Chethan Reddy	1SP22EC010	4	6908 3414 7414	Chethan Reddy
9	Chidanad Reddy	1SP22EC011	4	5322 3675 2355	
10	D N chandana	1SP22EC013	4	5221 4500 6459	Chandana
11	D Sreenath	1SP22EC014	4	4350 1767 4815	D. S
12	Divya k s	1SP22EC017	4	3682 9134 7705	Divya k s
13	Emmanuel	1SP22EC018	4	2960 0974 5657	Emmanuel
14	Harsha	1SP22EC019	4	7765 4793 0577	Harsha
15	Hudha shaista Khanum durwesh	1SP22EC020	4	3630 4060 8324	Hudha shaista Khanum durwesh
16	Sai pavan	1SP22EC021	4	3703 6898 2241	Sai pavan
17	Jhonathan P	1SP22EC022	4	6315 4773 3984	Jhonathan P
18	M Gowthami	1SP22EC023	4	8515 1208 8519	M Gowthami
19	Manoj Kumar	1SP22EC024	4	3855 0385 8260	Manoj Kumar
20	Moksha S	1SP22EC025	4	4405 1866 5821	Moksha S
21	Monisha M S	1SP22EC026	4	4423 1854 2117	Monisha M S
22	Nandini G.R	1SP22EC028	4	8678 1400 9207	Nandini G.R
23	Nandish.T S	1SP22EC029	4	9402 6980 0789	Nandish.T S
24	Narendra N	1SP22EC030	4	5329 9101 2701	Narendra N
25	Neerisha M	1SP22EC031	4	6606 3013 9005	Neerisha M
26	Nithin kumar h n	1SP22EC034	4	4617 2944 6978	Nithin kumar h n
27	NOTI HARSHAVARDHAN	1SP22EC036	4	8085 1324 3143	NOTI HARSHAVARDHAN
28	Pallavi K A	1SP22EC037	4	2074 2195 1457	Pallavi K A
29	Pranowmya Nalam	1SP22EC038	4	9102 3114 3395	Pranowmya Nalam
30	Praveen Kumar	1SP22EC040	4	6356 8068 0980	Praveen Kumar
31	Punnish v	1SP22EC041	4	4936 8593 3817	Punnish v
32	Raghu Nandan p	1SP22EC042	4	5863 2963 3511	Raghu Nandan p
33	Sai kiran V	1SP22EC043	4	8171 6509 1960	Sai kiran V
34	Sakshi Mohandas Pai	1SP22EC044	4	7937 9612 1587	Sakshi Mohandas Pai
35	SANGEETHA C	1SP22EC045	4	9631 3742 0564	SANGEETHA C
36	Shalini.E	1SP22EC047	4	7886 2690 1336	Shalini.E
37	Shama K	1SP22EC048	4	7825 4494 1242	Shama K
38	SHANKAR P.A	1SP22EC049	4	4142 9926 9676	SHANKAR P.A
39	Shivaraj M	1SP22EC050	4	4196 4266 6254	Shivaraj M
40	Shreya Rajendra Devekar	1SP22EC051	4	5788 8776 6155	Shreya Rajendra Devekar
41	Sindhuja M.R	1SP22EC052	4	9425 0958 5828	Sindhuja M.R
42	Sofiya Jagadeesan	1SP22EC053	4	8735 0241 3889	Sofiya Jagadeesan
43	Soujanya C S	1SP22EC054	4	7117 3515 1076	Soujanya C S
44	Shrushthi G N	1SP22EC055	4	6336 1496 1305	Shrushthi G N
45	Swapna B V	1SP22EC056	4	8808 0195 0466	Swapna B V
46	Teja S	1SP22EC057	4	9144 6959 7428	Teja S

47	Thrisha K S	1SP22EC058	4	6311 0933 7589	Thrisha S
48	Uma N	1SP22EC059	4	6088 8438 1007	Uma N
48	Vaishali. L. N	1SP22EC061	4	4186 5987 5400	Vaishali N
49	YASHWANTH C R	1SP22EC063	4	5064 0357 8630	Yashwanth
50	Deekshitha TS	1SP22EC015	4	2660 1342 7106	Deekshitha
51	Muskan.A	1SP22EC027	4	8352 2914 1309	Muskan A
52	Bharat Vilas Nalawade	1SP23EC400	4	4222 2474 1024	Bharat B
53	Kishore	1SP23EC401	4	997 8926 4434	Kishore
54	Pavan Kumar	1SP23EC402	4	6688 4853 6172	Pavan K
55	SHIVARAJ PJ	1SP23EC404	4	3678 2865 4770	Shivaji P
56	Madhan Mohan Reddy	1SP23EC406	4	4841 9943 8474	Madhan

S.E.A College of Engineering and Technology
Department of ECE-VI-Semester -Students List

SI No	Name of the Student	USN	SEM	Aadhar NO	Signature
1	Aishwarya H R	1SP21EC002	6	2273 8942 4801	
2	Bharadwaz R	1SP21EC004	6	5868 0908 2167	
3	Jagati Sai Teja	1SP21EC008	6	6642 5905 1403	
4	Jalani	1SP21EC009	6	3394 0293 1993	
5	Kannika PN	1SP21EC010	6	5625 0006 9654	
6	Karthik V H	1SP21EC011	6	4823 7309 9772	
7	Kevin George d	1SP21EC012	6	6201 1486 6274	
8	Pawan Kumar L	1SP22EC013	6	2864 5314 1074	
9	NIKHIL. K	1SP21EC015	6	5671 3259 0283	
10	Ranjitha M	1SP21EC017	6	6754 6965 6032	
11	S YUVARAJ	1SP21EC018	6	8779 1482 8281	
12	Sachin Kumar	1SP21EC019	6	3901 7288 0054	
13	Sanhana H	1SP21EC020	6	3756 0551 2661	
14	Shamme Zehra	1SP21EC021	6	4169 9878 1099	
15	Sindhu K J	1SP21EC022	6	6920 0557 4972	
16	Sindhu V	1SP21EC023	6	9954 8636 8051	
17	Skanda P	1SP21EC024	6	3540 1928 4035	
18	Sonika.N	1SP21EC025	6	9056 3963 0040	
19	Spoorthi J	1SP21EC027	6	6872 0081 0432	
20	Shridhar s meli	1SP21EC028	6	4429 7993 0456	
21	Suzain Khanum	1SP21EC030	6	4894 1237 2172	
22	Thirthakumar H B	1SP21EC031	6	8438 7907 7614	
23	Vaishnavi Patil	1SP21EC032	6	6459 7603 0381	
24	Varaprasad K	1SP21EC033	6	61411 5049 198	
25	VYSHNAVI A R	1SP21EC035	6	2828 9199 3949	
26	Athulraj B	1SP22EC401	6	6745 8809 6581	
27	Charithra Rani	1SP22EC402	6	4392 4328 4161	
28	Gagankumar	1SP22EC403	6	5103 0113 8846	
29	Gayatri shirur	1SP22EC404	6	5486 9376 0748	
30	Kannemanikanta	1SP22EC405	6	8615 1000 3040	
31	Rashmi Rattihalli	1SP22EC408	6	5214 2360 9428	
32	Roopa M	1SP22EC409	6	5484 4308 8737	
33	Shweta	1SP22EC413	6	3542 0082 1881	
34	Srikanth D Nayaka	1SP22EC414	6	5559 4438 3449	
35	Sudeep BS	1SP22EC415	6	8621 9324 6340	
36	T.Aswini	1SP22EC416	6	4468 9617 2367	
37	U Vishnu Vardhan	1SP22EC417	6	9956 5701 6311	