



**NARSIMHA REDDY
ENGINEERING COLLEGE**

Approved by AICTE, Affiliated to JNTUH, Accredited by NBA & NAAC with 'A' Grade
Recognized by UGC & NMAC with A Grade

Industrial Visit

ISRO HYDERABAD



Organized by

Department of Computer Science and Engineering

In association with

CSI Student Branch & Institution's Innovation Council (IIC)

On August 4th 2025

Submitted by

Mr. Paindla Thirupathi

Assistant Professor, CSE-Dept

And

Mr. Ramgiri Manoj Kumar

Assistant Professor, CSE-Dept



your roots to success.

NARSIMHA REDDY ENGINEERING COLLEGE (UGC-AUTONOMOUS)

Approved by AICTE, Affiliated to JNTUH Accredited by NBA & NAAC with 'A' Grade

Maisammaguda, Kompally, Secunderabad – 500100

Maisammaguda (V), Dhulapally (P)

Near Kompally, Medchal (M), Secunderabad – 500 100

✉ principal@nrcmec.org

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NARSIMHA REDDY ENGINEERING COLLEGE

An Autonomous Institution Affiliated to JNTU-H | Approved by AICTE
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Hyderabad,
28-07-2025

From.

Mr. Ramgiri Manoj Kumar
Assistant Professor & Coordinator
Department of Computer Science and Engineering
Narsimha Reddy Engineering College (Autonomous)
Secunderabad, Telangana - 500100
Ph. No: 08297953101

To

The Principal
Narsimha Reddy Engineering College (Autonomous)
Secunderabad, Telangana - 500100

Respected Sir,

Sub: Request for Permission to Organize an Industrial Visit to **ISRO, Hyderabad** – Reg.

With due respect, I would like to bring to your kind notice that the **Department of Computer Science and Engineering** is planning to organize an industrial visit to **ISRO, Hyderabad** for the students of **III B.Tech I Semester (CSE - A, B, C sections)** on **4th August 2025 (Monday)**.

The objective of this visit is to provide students with practical exposure to advanced technologies used in space research and satellite communications, which would greatly complement their academic learning and help them understand the real-world applications of engineering and scientific principles.

We kindly request you to grant permission to organize this industrial visit and allow the following faculty members to accompany the students as coordinators:

1. Mr. Paindla Thirupathi, Assistant Professor
2. Mr. Ramgiri Manoj Kumar, Assistant Professor

We assure you that all necessary precautions and safety measures will be taken during the visit, and students will maintain discipline throughout the trip.

Thanking you in anticipation of your support and encouragement.


Yours faithfully,

Mr. Ramgiri Manoj Kumar
Asst. Prof. & Coordinator

Department of CSE Encl:

1) Confirmation Email from ISRO-HYD

Maisammaguda (V), Dhulapally (P)
Near Kompally, Medchal (M), Secunderabad – 500 100.
✉ principal@nrcmec.org
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Confirmation Email From ISRO-Hyderabad

From: "Lavanya CSE" <lavanya.cse@nrcmec.org>
To: "outreach" <outreach@nrc.gov.in>
Sent: Saturday, June 28, 2025 1 56 57 PM
Subject: Request for site visit .req

To

The Director,
ISRO
Jeedimetla
Hyderabad

Dear Sir,To

The Director,
ISRO

Dear Sir,

Sub: Requesting for Industrial Site Visit Approval - ISRO

We are writing to request approval for an ISRO site visit for our students from Narasimha reddy Engineering College, Hyderabad, Telangana. The proposed visit would comprise 420 students and 2 faculty members in the month of the July 2025 based on your availability.

The objective of this visit is to provide our students with hands-on exposure to ISRO's cutting-edge technology, research, and development. This would not only enhance their theoretical knowledge but also give them practical insights into the field.

We would be grateful if you could approve our request and provide necessary details regarding the visit, such as date, time, and logistics.

Thank you for considering our proposal. We look forward to your response.

Regards,
K.lavanya
Assistant professor
Narasimha reddy Engineering College

From: "outreach" <outreach@nrc.gov.in>
To: "Lavanya CSE" <lavanya.cse@nrcmec.org>
Sent: Wednesday, July 2, 2025 3:28:35 PM
Subject: Re: Request for site visit .req

Dear
Thanks for interest in Outreach Programmes.

We are already engaged in July. Also, we can accommodate about 150-180 persons only per visit session.

We can allot Aug. 4, 11 & 12 for the visits to distribute 420 members. Kindly confirm.

Best Wishes,

छात्र एवं जन संपर्क प्रभाग Student and Public Outreach Division
TEOG, प्रबंधन प्रणाली क्षेत्र, Management Systems Area
राष्ट्रीय सुदूर संवेदन केंद्र National Remote Sensing Centre
रोड नं. 6, मेडक रोड, सब-स्टेशन के सामने, Road No. 6, Medak Road, Opp. Sub-Station,

Maisammaguda (V), Dhulapally (P)
Near Kompally, Medchal (M), Secunderabad – 500 100.
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Hyderabad,
28-07-2025

From:

Mr. Ramgiri Manoj Kumar
Assistant Professor & Coordinator
Department of Computer Science and Engineering
Narsimha Reddy Engineering College (Autonomous)
Secunderabad, Telangana - 500100
Ph. No: 08297953101

To

The Principal
Narsimha Reddy Engineering College (Autonomous)
Secunderabad, Telangana - 500100

Respected Sir,

Sub: Request for Permission to Arrange **Two Buses** for Industrial Visit to **ISRO, Hyderabad** – Reg.

With due respect, I would like to inform you that the Department of Computer Science and Engineering is organizing an **industrial visit to ISRO, Hyderabad on 4th August 2025 (Monday)** for the students of **III B.Tech I Semester – CSE (A, B, C sections)**.

In this regard, we kindly request you to arrange **two college buses** for the safe transportation of approximately **150 students** and accompanying faculty members. The journey is scheduled to start at **10:00 AM from the college** and return by **3:30 PM** on the same day.

We assure you that the students will maintain discipline and follow all safety protocols throughout the trip. The faculty coordinators for this visit are:

1. Mr. Paindla Thirupathi – Assistant Professor
2. Mr. Ramgiri Manoj Kumar – Assistant Professor

We request your kind approval for the arrangement of two college buses to facilitate this industrial visit.

Thanking you in anticipation.


Yours faithfully,

(Mr. Ramgiri Manoj Kumar)

Asst. Prof. & Coordinator

Department of CSE

Maisammaguda (V), Dhulapally (P)
Near Kompally, Medchal (M), Secunderabad – 500 100.

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Date: 29-07-2025

APPROVAL LETTER

This is to inform that the request made by **Mr. Ramgiri Manoj Kumar**, Assistant Professor & Coordinator, Department of Computer Science and Engineering, regarding the **industrial visit to ISRO, Hyderabad** scheduled on **4th August 2025 (Monday)** for the students of **III B.Tech I Semester – CSE (A, B, C sections)** has been **approved**.

Permission is hereby granted for:

- Conducting the industrial visit to **ISRO, Hyderabad**.
- Arrangement of **two college buses** for transportation.
- The following faculty members to accompany and coordinate the visit:
 1. Mr. Paindla Thirupathi – Assistant Professor
 2. Mr. Ramgiri Manoj Kumar – Assistant Professor

All students and faculty members are instructed to strictly follow safety and disciplinary protocols during the visit.

We wish the students a fruitful learning experience during the visit.



Copy to:

1. Director – for information
2. Finance Committee – for necessary action
3. Dean – R&D

Cc to: The Chairman – for kind information



PRINCIPAL

PRINCIPAL
NARSIMHA REDDY ENGINEERING COLLEGE
Survey No: 518, Maisammaguda (V), Dhulapally (P),
Medchal (M), Medchal Dist, Hyderabad-500100



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Date: 30-07-2025

CIRCULAR

All the students of **III B.Tech I Semester – CSE (A, B, C Sections)** are hereby informed that the department is organizing an **Industrial Visit to ISRO, Hyderabad** on **4th August 2025 (Monday)**.

The objective of the visit is to provide students with practical exposure to space research, satellite technology, and real-time applications of engineering concepts. Students are advised to utilize this opportunity to enhance their technical knowledge and understanding.

Details of the Visit:

- **Date:** 04-08-2025 (Monday)
- **Reporting Time:** 9:30 AM
- **Departure from College:** 10:00 AM
- **Return to College:** By 3:30 PM
- **Transportation:** Two college buses will be arranged
- **Faculty Coordinators:**
 1. Mr. Paindla Thirupathi – Assistant Professor
 2. Mr. Ramgiri Manoj Kumar – Assistant Professor

Instructions to Students:

- Attendance is **compulsory**.
- Students must come in **college uniform and ID cards are mandatory**.
- Maintain proper discipline and decorum throughout the visit.
- Follow the instructions given by the faculty coordinators and ISRO officials.

For further information, please contact the respective class in-charges or the faculty coordinators.


Head of The Department
School of Computer Science & Engineering
HOD-CSE
NARSIMHA REDDY ENGINEERING COLLEGE
UGC AUTONOMOUS
Sy.No. 518, Maisammaguda (V), Dhulapally (P),
Medchal (M & Dist.), Hyderabad-500100.

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Event Poster



DEPARTMENT OF CSE



Organizes

**Industrial Visit to
ISRO Hyderabad**

August 2025 | At 09:30 Am

Coordinators
Mr. Palindla Thirupathi
Mr. Ramagiri Manoj

Dr. Gandikota Ramu
HoD CSE

**NARSIMHA REDDY
ENGINEERING COLLEGE**
AUTONOMOUS INSTITUTION-UGC, GOVT. OF INDIA
Affiliated to JNTUH, Approved by AICTE, NBA & NAAC with A-Grade
Maisammaguda (V), Kompally - 500100, Secunderabad, Telangana State, India


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NRCM

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NARSIMHA REDDY ENGINEERING COLLEGE

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Approved by NBA & NAAC with A Grade

Department of Computer Science and Engineering INDUSTRIAL VISIT to ISRO - HYDERABAD

Date: 4th August 2025

III B.Tech I Sem - CSE (A, B, C)

Faculty Coordinators: Mr. Paindla Thirupathi, Mr. R Manoj Kumar

S.No.	Name of The Student	Roll Number	Section	Signature
1	Pooja	23X01A0501	III CSE-A	Pooja
2	ABRAMAINA ARAVIND	23X01A0502	III CSE-A	Aravind
3	A.Akhil	23X01A0506	III CSE-A	A-Akhil
4	Aleti teja	23X01A0507	III CSE-A	Teja
5	Ananya Sharma	23X01A0510	III CSE-A	Ananya
6	Andhugula sharanya	23X01A0511	III CSE-A	A-sharanya
7	A.Vishnu prasad	23X01A0512	III CSE-A	A-vishnu
8	Ashireddy Mukhesh	23X01A0517	III CSE-A	A-mukhesh
9	Badavath Ganesh	23X01A0521	III CSE-A	B.Ganesh
10	Balapolla Rahul Laxmappa	23X01A0523	III CSE-A	Rahul
11	B.SURENDHAR REDDY	23X01A0524	III CSE-A	B-Surendhar
12	Bandameedi Akshaya	23X01A0525	III CSE-A	Akshaya
13	Bandi vaishnavi	23X01A0529	III CSE-A	Vaishnavi
14	B. REVANTH	23X01A0532	III CSE-A	Revant
15	BANOTH VENKATESH	23X01A0533	III CSE-A	Venkatesh
16	Anjali Barik	23X01A0534	III CSE-A	Anjali
17	Geetha Barik	23X01A0535	III CSE-A	Geetha
18	Lavan Kumar	23X01A0538	III CSE-A	Lavan
19	BATTU SHASHIDHAR RAJU	23X01A0540	III CSE-A	Shashidhar
20	BHAGMAR AKSHITHA	23X01A0543	III CSE-A	Akshitha
21	B. ROHIT	23X01A0547	III CSE-A	Rohit
22	BISAGONI MARUTHI	23X01A0548	III CSE-A	Maruthi
23	Boda venu	23X01A0550	III CSE-A	B.Venu

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S.No.	Name of The Student	Roll Number	Section	Signature
24	Doge vyshnavi	23X01A0551	III CSE-A	Vyshnavi
25	Neeraj Bollikonda	23X01A0553	III CSE-A	Neeraj
26	Bommema Surya Teja	23X01A0555	III CSE-A	Surya Teja
27	Bhagadish	23X01A0556	III CSE-A	Bhagadish
28	Niharika reddy	23X01A0558	III CSE-A	Niharika
29	BORANCHA AKHILESH	23X01A0559	III CSE-A	B. Akhila
30	chakrala vaishnavi	23X01A0563	III CSE-A	Ch. Vaishnavi
31	Srikanth Banne	24X05A0501	III CSE-A	Srikanth
32	Nithin Belle	24X05A0503	III CSE-A	Nithin
33	Bodduna Akhila	24X05A0504	III CSE-A	Akhila
34	CH JAI SINGH	24X05A0505	III CSE-A	Ch. Jai Singh
35	CHAGANTI RAKESH	24X05A0506	III CSE-A	Ch. Rakesh
36	Akhila	23X01A0565	III CSE-B	Akhila
37	Ch.manideep	23X01A0566	III CSE-B	Ch. Manideep
38	CHARLA SOWJANYA	23X01A0567	III CSE-B	Ch. Sowjanya
39	CHEKURI BHARGAVA SRI VARMA	23X01A0570	III CSE-B	Ch. Bhargava Sri Varma
40	CHENNOR NANDINI	23X01A0571	III CSE-B	Nandini
41	Ch sruthi sharma	23X01A0572	III CSE-B	Ch. Sruthi
42	Cherukupally Harika	23X01A0573	III CSE-B	Harika
43	Ch.Sai Eshwar	23X01A0574	III CSE-B	Ch. Sai Eshwar
44	Chilka Shalini	23X01A0575	III CSE-B	Ch. Shalini
45	C.shalini	23X01A0576	III CSE-B	C. Shalini
46	Prasanth yadav	23X01A0577	III CSE-B	Ch. Pruthi
47	CHINTHAKUNTA MEENAKSHI	23X01A0578	III CSE-B	Meenakshi
48	Chiranjeevi sowmya	23X01A0580	III CSE-B	Ch. Sowmya
49	Navyasri chirumamilla	23X01A0581	III CSE-B	Navyasri



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Page 285

S.No.	Name of The Student	Roll Number	Section	Signature
50	Chitte Sikanth	23X01A0582	III CSE-B	
51	CHOPPADANDI KIRTI	23X01A0584	III CSE-B	
52	Ruchitha dachepalli	23X01A0586	III CSE-B	
53	Daggi shivathmika	23X01A0587	III CSE-B	
54	Manasa Darni	23X01A0589	III CSE-B	
55	D. Raga Rithika Vyshnavi	23X01A0590	III CSE-B	
56	Dasari Vandana	23X01A0591	III CSE-B	
57	Davat varalaxmi	23X01A0592	III CSE-B	
58	Depa karthik reddy	23X01A0594	III CSE-B	
59	D.Chakravarthi	23X01A0595	III CSE-B	
60	Devi sri prasad maddikunta	23X01A0596	III CSE-B	
61	Dharavath sumanth naik	23X01A0597	III CSE-B	
62	D JASHWANTHI	23X01A0598	III CSE-B	
63	D ANJALI	23X01A05A0	III CSE-B	
64	DOKURU AKSHITHA	23X01A05A1	III CSE-B	
65	Hemanth Durishetti	23X01A05A2	III CSE-B	
66	E M SHALINI PRIYA	23X01A05A3	III CSE-B	
67	Eedula Bhaskar	23X01A05A4	III CSE-B	
68	ENJAPURI SWETHA	23X01A05A7	III CSE-B	
69	ViSHNU REDDY	23X01A05A8	III CSE-B	
70	E Avinash	23X01A05A9	III CSE-B	
71	E NAVEEN KUMAR	23X01A05B1	III CSE-B	
72	SRIKANTH	23X01A05B2	III CSE-B	
73	Fariha Naureen	23X01A05B3	III CSE-B	
74	G SHIVA KUMAR	23X01A05B4	III CSE-B	
75	GADDAM SOWMYA	23X01A05B5	III CSE-B	
76	GADE SOWJANYA	23X01A05B7	III CSE-B	
77	Gaini Raju	23X01A05B8	III CSE-B	

Maisammaguda (V), Dhulapally (P)

Near Kompally, Medchal (M), Secunderabad - 500 100.

M3 principal@nrcmec.org

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S.No.	Name of The Student	Roll Number	Section	Signature
78	HARSHAVARDHAN	23X01A05B1	III CSE-B	
79	Bindupriya Gajendrala	23X01A05C0	III CSE-B	G. Bindupriya
80	Umesh chandra	23X01A05C1	III CSE-B	
81	G.Bhuvanesh	23X01A05C2	III CSE-B	
82	Gadela Anil Kumar D. Narasimulu	23X01A05C3 23X01A0588	III CSE-B	
83	Deepthi	23X01A05C4	III CSE-B	G. Deepthi
84	G.TULASI	23X01A05C5	III CSE-B	G. Tulasi
85	GOPI PAVITHRA	23X01A05C6	III CSE-B	G. Pavithra
86	Gopidi.sanjana	23X01A05C7	III CSE-B	G. Sanjana
87	Gorre snehith	23X01A05C8	III CSE-B	
88	CHEPURU RUSHIKESH GOUD	24X05A0507	III CSE-B	
89	Pranathi chinthoju	24X05A0508	III CSE-B	Pranathi
90	CH ABHIRAM	24X05A0509	III CSE-B	Ch. Abhiram
91	Ch.vaishnavi	24X05A0510	III CSE-B	Ch. Vaishnavi
92	Damerla Manikanteshwar	24X05A0512	III CSE-B	Mani
93	EMMADISHETTI ABHILASH	24X05A0513	III CSE-B	
94	Gurram Vaibhav Reddy	23X01A050	III CSE-C	
95	Gorthi Prasantha lakshmi	23X01A05C9	III CSE-C	Prasantha
96	Goswami Ajay Giri	23X01A05D0	III CSE-C	
97	G.Vikay Kumar	23X01A05D1	III CSE-C	
98	Gudikandula kavya	23X01A05D2	III CSE-C	
99	Gudikandula Pranay	23X01A05D3	III CSE-C	
100	Guguloth Teja Naik	23X01A05D5	III CSE-C	Teja Naik
101	Gugulothu naveen	23X01A05D6	III CSE-C	
102	Gundlapally sateesh	23X01A05D8	III CSE-C	
103	G Naveen	23X01A05E1	III CSE-C	



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S.No.	Name of The Student	Roll Number	Section	Signature
104	Charan sai Immati	23X01A05E3	III CSE-C	
105	And	23X01A05E4	III CSE-C	Anil
106	IRENI NETHAJI	23X01A05E5	III CSE-C	Ans
107	J Eshwar Rao	23X01A05E6	III CSE-C	J Es
108	J.Ashritha	23X01A05F0	III CSE-C	Ashritha
109	Purnasri J	23X01A05F1	III CSE-C	Purnasri
110	JUNJUNURU ANAND	23X01A05F2	III CSE-C	J-Anand
111	K. Praharsha	23X01A05F3	III CSE-C	Praharsha
112	Abiram	23X01A05F4	III CSE-C	Abiram
113	KAKKIRENI SUSHANTH	22X01A05F5	III CSE-C	K. Sushanth
114	Sree Sahithi	23X01A05F6	III CSE-C	Sahithi
115	K DHANUSH VARMA	23X01A05F7	III CSE-C	K. Dh
116	Kalle Durga Ganesh	23X01A05F8	III CSE-C	Kalle
117	Kamalapuram Meenakshi	23X01A05G1	III CSE-C	K. Meenakshi
118	Karegamavijaykumar	23X01A05G2	III CSE-C	K. Vijay
119	KARNAM SRUTHI	23X01A05G4	III CSE-C	Sruthi
120	Karra Gouthami	23X01A05G5	III CSE-C	Gouthami
121	Karre Akhila	23X01A05G7	III CSE-C	Akhila
122	Karre Manusha	23X01A05G8	III CSE-C	Manusha
123	K. Siddartha	23X01A05G9	III CSE-C	K. Sidd
124	K. Manoj	23X01A05H0	III CSE-C	K. Manoj
125	K. Hemanth	23X01A05H1	III CSE-C	K. Hemanth
126	Katteboina Shiva Ganesh	23X01A05H2	III CSE-C	K. Shiva
127	Keshireddy Shashank Reddy	23X01A05H4	III CSE-C	K. Shashank
128	KODE AJAY KUMAR	23X01A05H7	III CSE-C	K. Ajay
129	KOLA KANAKA MAHA LAKSHMI	23X01A05H9	III CSE-C	Mahalakshmi



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S.No.	Name of The Student	Roll Number	Section	Signature
130	Kondeti Nithin reddy	23X01A0510	III CSE-C	
131	Thanuja	23X01A0511	III CSE-C	Thanuja
132	Koppula Rithvik	23X01A0512	III CSE-C	
133	K PAVANI	23X01A0513	III CSE-C	K. Pavi
134	Kormani Ramesh	23X01A0514	III CSE-C	
135	Naveen	23X01A0515	III CSE-C	K. Naveen
136	Kothapally Bhagath	23X01A0516	III CSE-C	K. Bhagath
137	K Rohith varma	23X01A0517	III CSE-C	K. Rohith
138	Nishitha	23X01A0518	III CSE-C	K. Nishitha
139	Kottala MADHUMITHA	23X01A0519	III CSE-C	
140	K. Pranith Kumar	23X01A05J0	III CSE-C	K. Pranith
141	K. Veera Manideep	23X01A05J1	III CSE-C	K. Veera
142	Krishnesh kashyap	23X01A05J2	III CSE-C	
143	GADALE JANARDHAN RAO	24X05A0514	III CSE-C	Gadale Janardhan
144	Jakkula Guru Prakash	24X05A0515	III CSE-C	Jakkula
145	K Ajay kumar	24X05A0517	III CSE-C	K. Ajay
146	Kurni Bhavani	24X05A0518	III CSE-C	K. Bhavani
147	Durga Prasad	24X05A0519	III CSE-C	Durgaprasad
148	RAVI BABU	23X01A0519	III CSE-A	A. Ravi
149	A KARTHIK	23X01A0503	III CSE-A	A. Karthik
150	CH SHIVANI	23X01A0583	III CSE-B	Chivani
151	CH MANASA	23X01A0585	III CSE-B	Manasa

Co-Ordinator

Head of The Department
School of Computer Science & Engineering
NARSIMHA REDDY ENGINEERING COLLEGE
UGC AUTONOMOUS
Sy.No. 518, Maisammaguda (V), Dhulapally (P),
Medchal (M & Dist.), Hyderabad-500100.

Maisammaguda (V), Dhulapally (P)
Near Komolally, Medchal (M), Secunderabad - 500 100.
Email: principal@nrcmec.org
Phone: 9949092454 Website: www.nrcmec.org



Department of Computer Science and Engineering

Event Report

Date: 07-08-2025

Academic Year	2025–2026
Name of the Program	Industrial Visit to ISRO – NRSC, Hyderabad
Event Type	Industrial Visit
In association with	NRCM CSI Student Branch and the Institution's Innovation Council (IIC)
Date of Visit	04 th August 2025 (Monday)
Time	09:30 AM to 3:30 PM
Venue	ISRO – National Remote Sensing Centre (NRSC), Hyderabad
Participants	Students of III B.Tech I Semester – CSE (A, B, C Sections)
Event Coordinators	Mr. P. Thirupathi, Assistant Professor, Dept. of CSE Mr. R. Manoj Kumar, Assistant Professor, Dept. of CSE
Number of Participants	150
Transportation	Two College Buses

Brief Report

Purpose of the Visit:

The visit was aimed at enhancing the academic and practical exposure of students in the domain of satellite technologies, remote sensing, and the real-world implementation of space science concepts relevant to their course curriculum. The students were able to witness the application of Computer Science, Artificial Intelligence, and Data Analytics in various space missions, thereby enriching their learning experience.

Schedule & Activities:

- **10:00 AM:** Departure from college campus
- **10:40 AM:** Arrival at ISRO – NRSC, Hyderabad
- **11:00 AM – 1:00 PM:** Orientation and Presentation by ISRO Scientists
- **1:00 PM – 1:30 PM:** Lunch Break (at ISRO premises)
- **1:30 PM – 2:30 PM:** Technical Demonstrations and Guided Tour
- **2:30 PM – 3:00 PM:** Interactive Session & Career Guidance
- **3:30 PM:** Departure from ISRO
- **4:20 PM:** Return to College

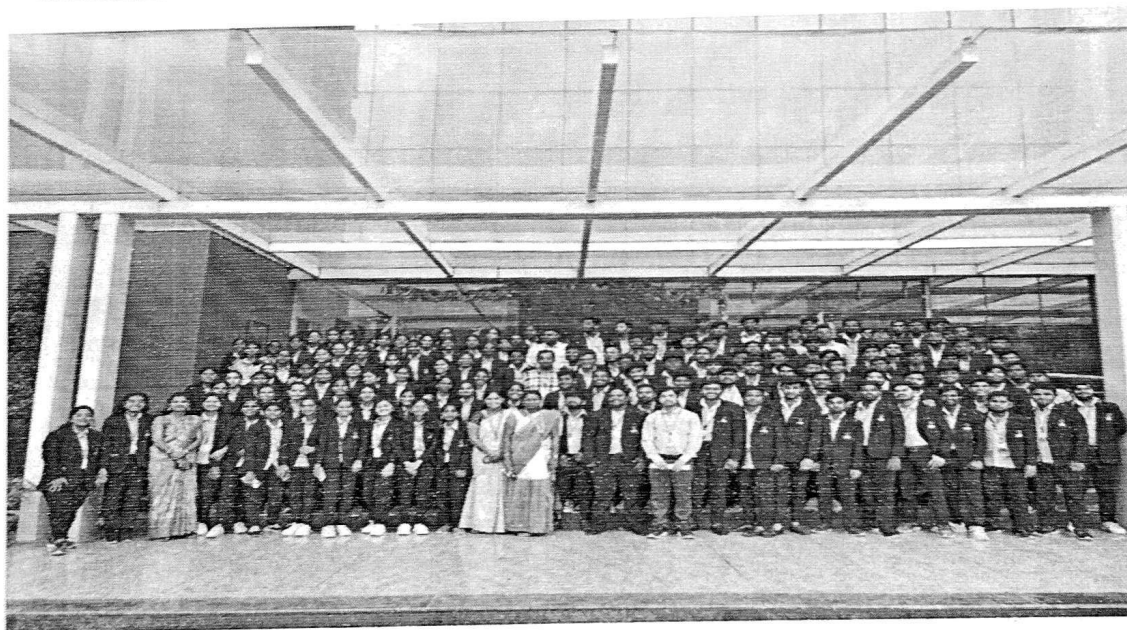
Maisammaguda (V), Dhulapally (P)
Near Kompally, Medchal (M), Secunderabad – 500 100.

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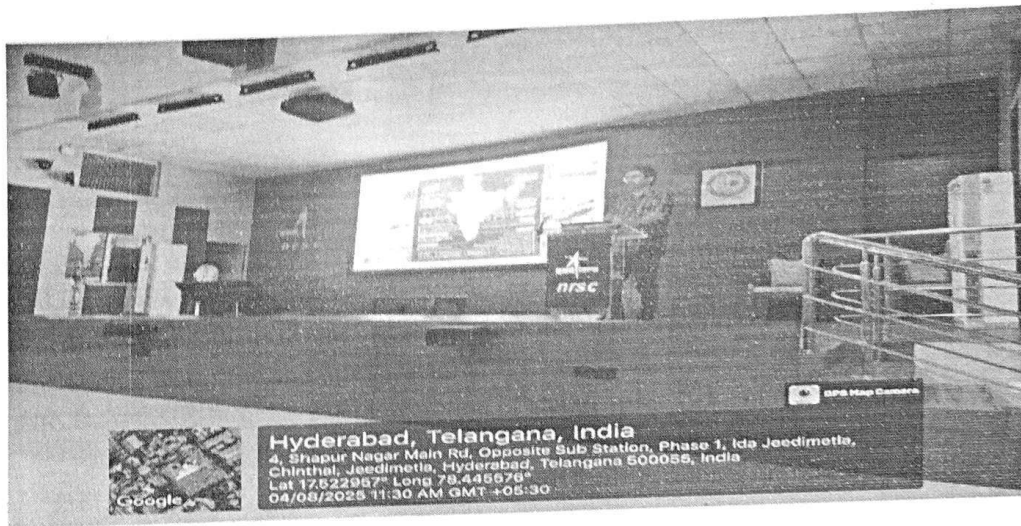
Journey Details:

The industrial tour began at 10:00 AM from Narsimha Reddy Engineering College (Autonomous). The journey was formally flagged off by Dr. G. Ramu, Head of the Department (CSE). Students and faculty coordinators reached the destination, ISRO – Hyderabad, at 10:40 AM. The visit commenced with an orientation session delivered by ISRO officials.



Key Highlights:

- **Orientation Session:** Insightful briefing by ISRO scientists on India's satellite missions, objectives, and achievements.
- **Facility Tour:** Visit to the **Remote Sensing** and **Telemetry Divisions**, showcasing the operational workflow and infrastructure.
- **GIS Demonstration:** Live demonstration of **Geographic Information Systems (GIS)** and their applications in agriculture, disaster management, and urban planning.
- **Interactive Session:** Engaging Q&A with ISRO professionals on research challenges, project lifecycle, and career opportunities in space science.



Technical Insights Gained:

- Overview of **ISRO's mission control and launch systems**
- Exposure to **remote sensing technologies** and **satellite imaging**
- Understanding of **Geographic Information Systems (GIS)** and their applications in **disaster management, agriculture, and urban planning**
- Demonstration of **big data analytics** on satellite datasets
- Insights into the use of **machine learning algorithms** for pattern recognition and prediction using spatial data
- Live examples of **satellite telemetry**, image processing, and real-time data monitoring
- Developed a strong understanding of **real-time space data acquisition and processing**.
- Acquired knowledge about **career pathways** and internship opportunities in space research organizations like ISRO.
- Recognized the significant role of **computer science and engineering** in space systems, satellite software, and remote sensing technologies.



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Learning Outcomes:

- Students gained first-hand knowledge of how satellite data is captured, analyzed, and used in real-world applications.
- Bridged the gap between theoretical classroom concepts and their real-time industrial applications.
- Improved understanding of the interdisciplinary nature of space research, involving Computer Science, AI, ML, Data Science, and Environmental Sciences.
- Motivated students towards careers in space technology, defense research, and public sector R&D.

PO Mapping:

PO1, PO2, PO3, PO4, PO9, PO10, and PO12 are strongly attained through the ISRO-Hyderabad industrial tour.

Student Feedback Summary:

The visit was highly appreciated by students for its informative and engaging sessions. Many expressed increased interest in pursuing internships and research opportunities at ISRO and other space research institutions. The interaction with scientists helped them understand the required skill sets and the roadmap to a career in space science and remote sensing.

Coordinator

1) Mr. P Thirupathi

2) Mr. R Manoj Kumar

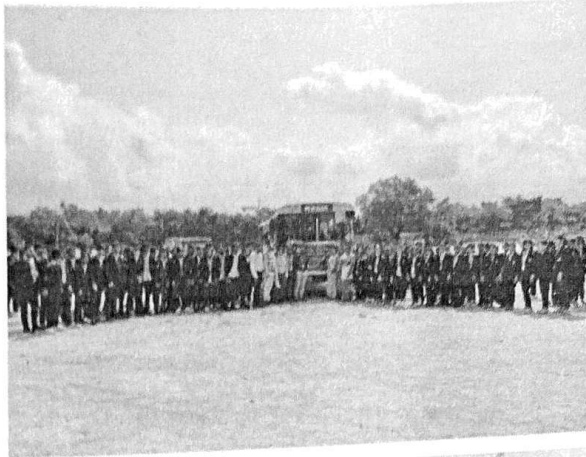
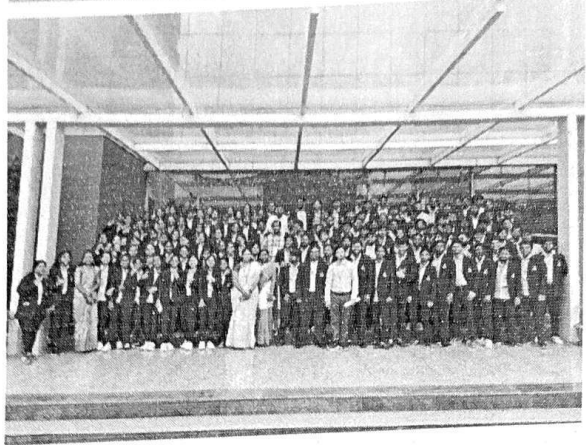
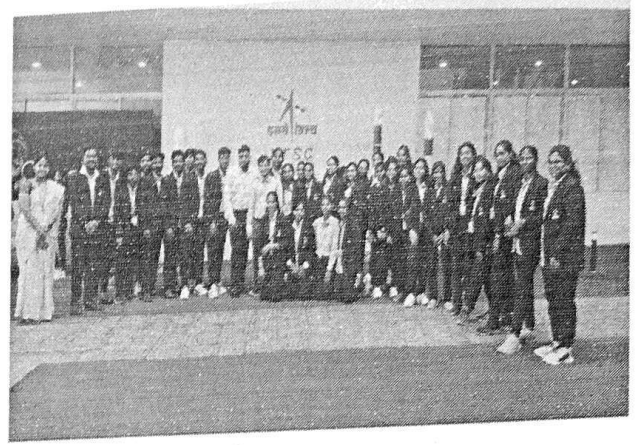
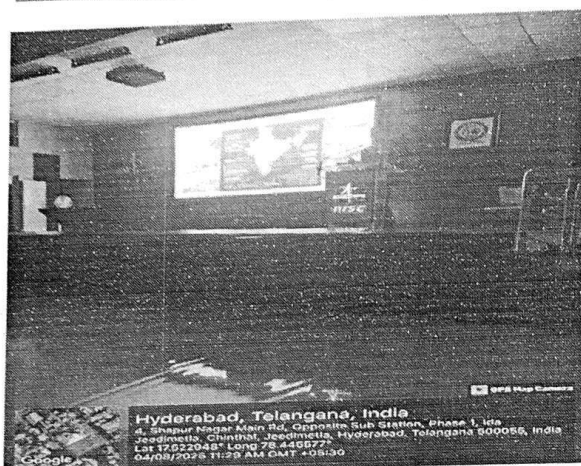

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A Visual Journey to ISRO Hyderabad



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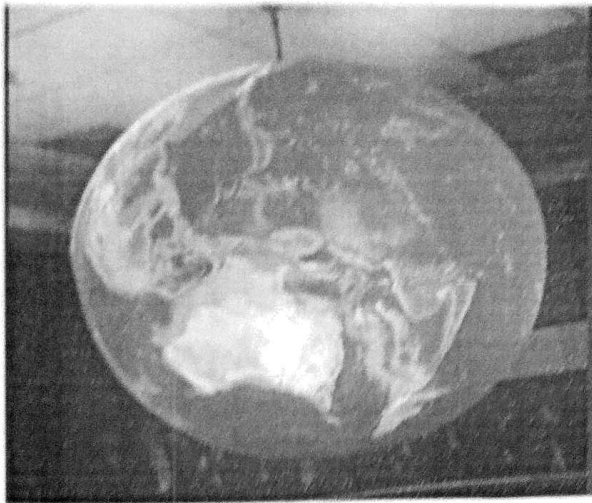
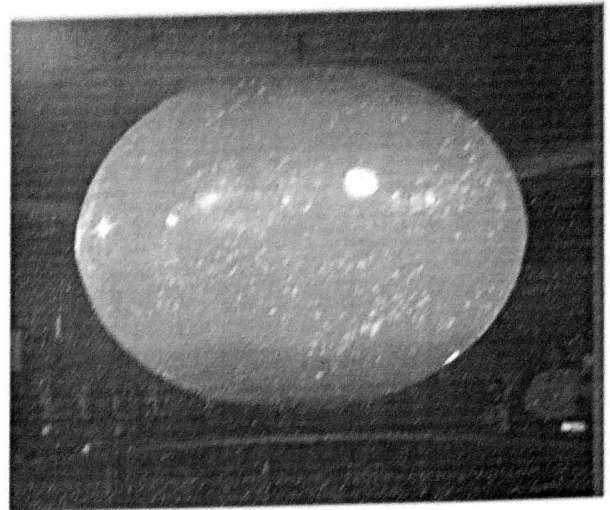
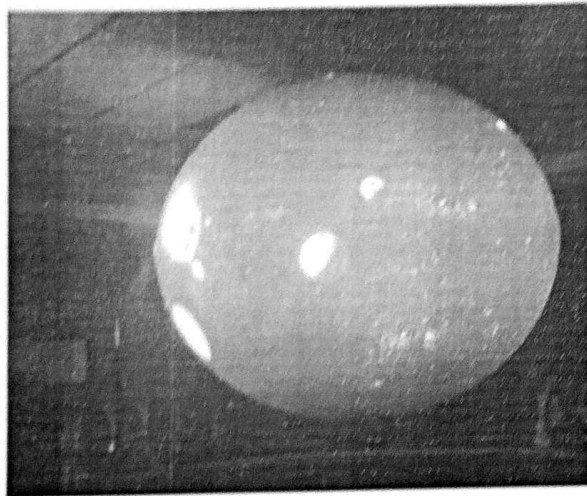
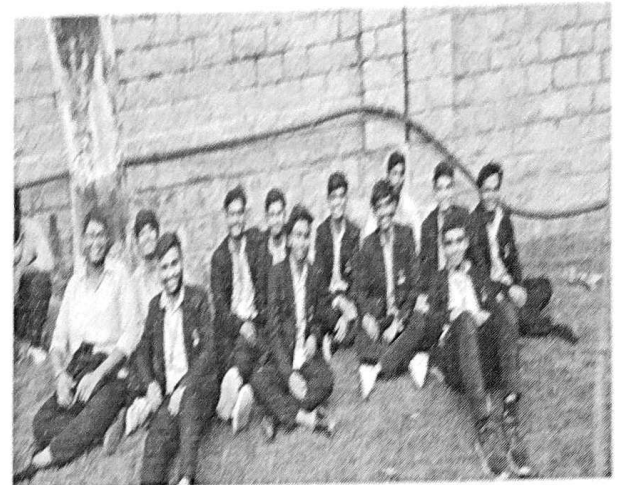
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