



NARSIMHA REDDY ENGINEERING COLLEGE

An Autonomous Institution | Affiliated to JNTUH | Approved by AICTE
Accredited by NBA & NAAC 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 12th 2025

Submitted by

Mrs. Shravani Jasthi

Assistant Professor, CSE-Dept

And

Mr. Vanthadpula Vishnu

Assistant Professor, CSE-Dept



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

☎ 9949092454 🌐 www.nrcmec.org

Hyderabad,
28-07-2025

From:

Mrs. Shravani Jasthi
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 - D,E,F sections)** on **12th 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. Mrs. Shravani Jasthi, Assistant Professor
2. Mr. Vanthadpula Vishnu, 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,
Mrs. Shravani Jasthi
Asst. Prof. & Coordinator

Department of CSE **Encl:**

1) Confirmation Email from ISRO-HYD

Confirmation Email From ISRO-Hyderabad

From: "Lavanya CSE" <lavanya.cse@nrcmec.org>

To: "outreach" <outreach@nrsc.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@nrsc.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,

Hyderabad,
28-07-2025

From:

Mrs. Mrs. Shravani Jasthi
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 **12th August 2025 (Tuesday)** for the students of **III B.Tech I Semester – CSE (D, E, F 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. Mrs. Shravani Jasthi – Assistant Professor
2. Mr. Vanthadpula Vishnu – 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,

(Mrs. Shravani Jasthi)

Asst. Prof. & Coordinator
Department of CSE

Date: 29-07-2025

APPROVAL LETTER

This is to inform that the request made by **Mrs.Shravani Jasthi**, Assistant Professor & Coordinator, Department of Computer Science and Engineering, regarding the **industrial visit to ISRO, Hyderabad** scheduled on **12th August 2025 (Tuesday)** for the students of **III B.Tech I Semester – CSE (D, E,F 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. Mrs.Shravani Jasthi – Assistant Professor
 2. Mr. Vanthadpula Vishnu – 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.

PRINCIPAL

Copy to:

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

Cc to: The Chairman – for kind information

Date: 30-07-2025

CIRCULAR

All the students of **III B.Tech I Semester – CSE (D, E, F Sections)** are hereby informed that the department is organizing an **Industrial Visit to ISRO, Hyderabad** on **12th August 2025 (Tuesday)**.

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:** 12-08-2025 (Tuesday)
- **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. Mrs.Shravani Jasthi – Assistant Professor
 2. Mr.Vanthadpula Vishnu– 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.

HoD-CSE



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Event Poster



DEPARTMENT OF CSE



Organizes

Industrial Visit to ISRO Hyderabad

12-08-2025 | At 09:30 Am

Coordinators

Mrs. Shravani Jasthi
Mr. Vanthadpula Vishnu

Dr. Gandikota Ramu
HoD CSE



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AUTONOMOUS INSTITUTION-UGC, GOVT. OF INDIA
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ATTENDANCE SHEET

NARSIMHA REDDY ENGINEERING COLLEGE
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Department of Computer Science and Engineering
INDUSTRIAL VISIT TO ISRO - HYDERABAD
Date: 12th August 2025
III B.Tech I-Sem - CSE
Faculty Coordinators: Mrs. Shrawani Jasthi, Mr. Vanthadpula Vishnu

S.No.	Name of The Student	Roll Number	Section	Signature
1	ADITHYA BAOJI	23X01A0522	III CSE-A	
2	B. SURYA TEJA	23X01A0555	III CSE-A	
3	A. AKHIL	23X01A0506	III CSE-A	
4	SOUMYA	23X01A0536	III CSE-A	
5	NEERAJ	23X01A0553	III CSE-A	
6	ALLI SRINU	23X01A0508	III CSE-A	
7	B. DANIMARK	23X01A0561	III CSE-A	
8	A. AKASH	23X01A0514	III CSE-A	
9	PRABHAS BOMMALAKUNTA	23X01A0554	III CSE-A	
10	PRASHANTH	23X01A0530	III CSE-A	
11	KARTHIK	23X01A0541	III CSE-A	
12	VINAY	23X01A0527	III CSE-A	
13	PUJA	23X01A0501	III CSE-A	
14	NIHARIKA REDDY	23X01A0558	III CSE-A	
15	CH KOVIDHA	23X01A0564	III CSE-A	
16	CHEPURU RUSHIKESH GOUD	24X05A0507	III CSE-B	
17	CHAWAN HARIPRASAD	23X01A0569	III CSE-B	
18	CH. SAI 6	23X01A0574	III CSE-B	
19	KALLEMAN MANASA	23X01A05G0	III CSE-C	
20	K. PAVANI	23X01A05I3	III CSE-C	
21	MOHAMMED TANVEER	23X01A05O3	III CSE-D	

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S.No.	Name of The Student	Roll Number	Section	Signature
22	NARAYANA YASWANTH	23X01A05P5	III CSE-D	
23	MOHAMMED SAMEER	23X01A05O2	III CSE-D	
24	LINGALA HARI PRIYA	23X01A05K1	III CSE-D	
25	MUTHUMULLA RAMMURTHI REDDY	23X01A05P2	III CSE-D	
26	MEKALA GOPINATH	23X01A05M9	III CSE-D	
27	MD SHAZEEM	23X01A05O1	III CSE-D	
28	METTU RAKSHITHA	23X01A05N5	III CSE-D	
29	L.NAJEERA	23X01A05J9	III CSE-D	
30	MD MUZAMMIL	23X01A05M4	III CSE-D	
31	MOHAMMED ZUBAIR ANAM GHOURI	23X01A05O4	III CSE-D	
32	MUKKALA SRIRAMSAI	23X01A05O9	III CSE-D	
33	MANDOJIWAR ABHILASH	23X01A05L5	III CSE-D	
34	VARUN GOUD	23X01A05L2	III CSE-D	
35	NAVEEN	23X01A05P1	III CSE-D	
36	NALLURI VARUN	24X05A0528	III CSE-D	
37	MEDIDA SAIKRISHNA	23X01A05M7	III CSE-D	
38	DHANUSH	23X01A05F7	III CSE-D	
39	CHARAN	23X01A05E3	III CSE-D	
40	KURELLA VENKATESH	23X01A05J6	III CSE-D	
41	MEDARAMEETLA YOGENDRA	23X01A05M6	III CSE-D	
42	MADDURI BRAVANI	23X01A05K7	III CSE-D	
43	MADARAPU MANASA	23X01A05K5	III CSE-D	
44	MURUGANI HARATHI	23X01A05P0	III CSE-D	

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S.No.	Name of The Student	Roll Number	Section	Signature
45	LOVA ROOPA NAGA LAKSHMI	23X01A05K3	III CSE-D	
46	M. PRANAVI	23X01A05N8	III CSE-D	
47	M.SAI NIRANJAN	23X01A05O0	III CSE-D	
48	MUDUNURI MAVYA KEERTHANA	23X01A05O8	III CSE-D	
49	ARPITHA	23X01A05M5	III CSE-D	
50	L.NAVEENA	23X01A05K2	III CSE-D	
51	HARIKRISHNA MALEGAM	23X01A05L0	III CSE-D	
52	MANGA NITHIN	23X01A05L6	III CSE-D	
53	MALAVATH KISHORE	23X01A05K9	III CSE-D	
54	LIKHITHA SIRI MEGHANA KILLANI	23X01A05K0	III CSE-D	
55	K. SRINIVAS	23X01A05J5	III CSE-D	
56	GOWTHAM REDDY MANMAM	23X01A05L7	III CSE-D	
57	M.VENKAT	23X01A05N9	III CSE-D	
58	B.AMRUTHA	23X01A0520	III CSE-D	
59	M.HEMANTH KUMAR	23X01A05L3	III CSE-D	
60	K LOHITH CHOWDARY	23X01A05J7	III CSE-D	
61	MARU PEDDA SANJANA	23X01A05M0	III CSE-D	
62	MARU PEDDA SANJANA	23X01A05M0	III CSE-D	
63	MITTAPALLY HARIKRISHNA	23X01A05N6	III CSE-D	
64	MATTURI ANKITHA	23X01A05M2	III CSE-D	
65	MUKKERA JITHENDER	24X05A0523	III CSE-D	
66	NALLAGUNTA RUCHITHA	24X05A0527	III CSE-D	
67	MANDLA SATHISH	23X01A05L4	III CSE-D	

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S.No.	Name of The Student	Roll Number	Section	Signature
68	M.VIJAYA NAGA RAMYA	23X01A05O6	III CSE-D	
69	M.SATYA SAI NARESH	23X01A05N3	III CSE-D	
70	N.MANIKANTA	23X01A05P8	III CSE-E	
71	REDDEM VARSHITH	23X01A05V7	III CSE-E	
72	P. DHANUSH REDDY	23X01A05S4	III CSE-E	
73	PALLE HARSHITHA	23X01A05R7	III CSE-E	
74	P.KRITHIKA GOUD	23X01A05R1	III CSE-E	
75	POGIRI HIMAJA	23X01A05T2	III CSE-E	
76	P. DHANUSH KUMAR	23X01A05U6	III CSE-E	
77	P. DHANUSH	23X01A05T6	III CSE-E	
78	N.RAKESH	23X01A05Q3	III CSE-E	
79	P.SATHVIK KUMAR	24X05A0531	III CSE-E	
80	P. MAHESH	23X01A05R4	III CSE-E	
81	CHAITANYA	23X01A05T9	III CSE-E	
82	R. NOMIKA	24X05A0533	III CSE-E	
83	PORANDLA MANOJ KUMAR	23X01A05T7	III CSE-E	
84	PYATLA RUTHVIK REDDY	23X01A05U9	III CSE-E	
85	POTHAGANTI ADHITHYA	23X01A05U0	III CSE-E	
86	P. RAKSHITHA	23X01A05T5	III CSE-E	
87	SRILAXMANNAGISHETTI	23X01A05P7	III CSE-E	
88	SAI KIRAN	23X01A05Q2	III CSE-E	
89	POTHAGANTI ADHITHYA	23X01A05U0	III CSE-E	
90	PRIYANSHU SINGH	23X01A05U2	III CSE-E	
91	PENUKULA VARUN	23X01A05S8	III CSE-E	
92	P. PREMKUMAR	23X01A05S3	III CSE-E	

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S.No.	Name of The Student	Roll Number	Section	Signature
93	PILLALAMARRI MANOJ	23X01A05T0	III CSE-E	
94	RACHAMALLA DINESH	23X01A05V0	III CSE-E	
95	ORSU SAIKIRAN	24X05A0530	III CSE-E	
96	POGULA NITHIN REDDY	23X01A05T3	III CSE-E	
97	PULLURI PAVANSAI	23X01A05U4	III CSE-E	
98	R. MAHESH YADAV	23X01A05V3	III CSE-E	
99	P.SIDDHANTH	23X01A05T4	III CSE-E	
100	SRIVANI	23X01A05R3	III CSE-E	
101	SARA SNEHITHA	23X01A05W5	III CSE-F	
102	SARGU NITHIN	24X05A0535	III CSE-F	
103	GUNAKAR	23X01A05X8	III CSE-F	
104	S.VIDYA	23X01A05X9	III CSE-F	
105	SAKKINETI MOUNIKA	23X01A05W1	III CSE-F	
106	T. VARSHITHA	23X01A05Z4	III CSE-F	
107	TUMU SRI SANJANA	23X01A05AC	III CSE-F	
108	T. KEERTHI	23X01A05AB	III CSE-F	
109	SHAIK FAIZ ANWAR	23X01A05W8	III CSE-F	
110	VAISHNAVI P	23X01A05AJ	III CSE-F	
111	BHAVYA ALOKHYA	23X01A05AR	III CSE-F	
112	VADLA ABHINAV	23X01A05AG	III CSE-F	
113	GURRAM AJAY	23X01A05AW	III CSE-F	
114	SHAIK HANIF	23X01A05W9	III CSE-F	
115	SIDHARTH BISWAS	23X01A05X2	III CSE-F	
116	RAHUL SHARMA	23X01A05AU	III CSE-F	
117	VALLURI RAHUL	23X01A05AL	III CSE-F	
118	MANMOHAN SINGH	24X05A0537	III CSE-F	

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S.No.	Name of The Student	Roll Number	Section	Signature
119	SHOYAB SADAKHATH	23X01A05X1	III CSE-F	
120	SANGISHETTI JATHIN	23X01A05W3	III CSE-F	
121	VADITHYA SRINIVAS	23X01A05AF	III CSE-F	
122	SANIYA MAHEK	23X01A05W4	III CSE-F	
123	THALLA RAMYASRI	23X01A05Z3	III CSE-F	
124	TINETLA VAISHNAVI	23X01A05Z9	III CSE-F	
125	S.KAVYA	23X01A05X3	III CSE-F	
126	SILAMKOTI AKIRANANDHAN	23X01A05X5	III CSE-F	
127	TANDRA AKSHAYA	23X01A05Y8	III CSE-F	
128	S. HARSHINI	23X01A05Y4	III CSE-F	
129	DHANUSH	23X01A05Z5	III CSE-F	
130	SIRIKONDA SHASHI	23X01A05X7	III CSE-F	
131	SRIRAMULA SOUMYA	23X01A05Y0	III CSE-F	
132	S. KRISHNA	23X01A05Y2	III CSE-F	
133	T. VINAY	23X01A05Z1	III CSE-F	
134	P.VARUNREDDY	23X01A05AX	III CSE-F	
135	TANGELLAPALLY CHANDU	23X01A05Y9	III CSE-F	
136	M.HARIKA	23X01A05AY	III CSE-F	
137	T. SAITEJA	23X01A05Z6	III CSE-F	
138	SUTHARI PRANAV	23X01A05Y6	III CSE-F	
139	SIKHA ENOS	23X01A05X4	III CSE-F	
140	YANNAM NAGALATHA	23X01A05AS	III CSE-F	
141	T. DIVYA	23X01A05Z7	III CSE-F	
142	SAVUSANI SANTHOSH REDDY	23X01A05W7	III CSE-F	

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Department of Computer Science and Engineering

Event Report

Date: 14-08-2025

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	12 th August 2025 (Tuesday)
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 (D, E,F Sections)
Event Coordinators	Mrs. J.Shravani, Assistant Professor, Dept. of CSE Mr. V Vishnu, 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

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.

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) Mrs. Shravani Jasthi -

2) Mr. Vanthadpula Vishnu -

Hod-CSE

A Visual Journey to ISRO Hyderabad



