

SCHOOL OF ENGINEERING

DEPARTMENT OF COMPUTER SCIENCE AND ENGINEERING - DATA SCIENCE

Date: 03-09-2026

Academic Year: 2026-2027

Activity: One Day – **Industrial Visit** – National Remote Sensing Centre (NRSC), Hyderabad



The poster features the NNRG logo at the top left, followed by the institution's name. To the right are NAAC and NBA accreditation logos. The central text reads 'Department of Data Science' and 'INDUSTRIAL VISIT to NATIONAL REMOTE SENSING CENTRE (NRSC), HYDERABAD'. On the left is the ISRO NRSC logo. On the right is a satellite image of Earth with various icons representing different applications of remote sensing. At the bottom, a table provides details about the visit.

Date:	Academic Year:	Activity:
03-09-2026	2026 - 2027	One Day – Industrial Visit National Remote Sensing Centre (NRSC), Hyderabad

Consolidated Report

The Department of Data Science organized an industrial visit to the **National Remote Sensing Centre (NRSC), Hyderabad**, on **3rd September 2026**. The visit was planned as part of the academic curriculum enrichment programme to provide students with practical exposure to satellite remote sensing, geospatial technologies, data processing, and their real-world applications. The visit helped students understand how remote sensing and data science contribute to areas such as agriculture, disaster management, environmental monitoring, urban planning, and sustainable development.

A total of **125 IV-Year CSD students and 4 faculty members** actively participated in this educational visit.

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Objectives:

The main objectives of the industrial visit were:

- To gain insights into the functioning and major activities of NRSC.
- To understand the fundamentals and applications of **Remote Sensing and Geospatial Technologies**.
- To bridge the gap between classroom learning and practical industry applications.
- To expose students to satellite data acquisition, processing, analysis, and interpretation.
- To understand the role of **Data Science, Artificial Intelligence, and Image Processing** in remote sensing applications.
- To familiarize students with emerging technologies used in Earth observation and geospatial research.

Activities During the Visit:

1. Orientation Session:

Officials at NRSC welcomed the students and provided an introductory session about the organization, its objectives, major activities, and contributions to India's space and remote sensing programmes.

Students were introduced to the importance of Earth observation and the various applications of satellite-based technologies in solving real-world problems.

2. Presentation & Demonstration:

Students attended technical sessions where experts explained various aspects of remote sensing and geospatial technology.

· Remote Sensing & Satellite Technology

Students learned about the basic principles of remote sensing, satellite-based Earth observation, sensors, satellite imagery, and the process of acquiring information about the Earth's surface from space.

· Satellite Data Processing & Analysis

The experts explained how satellite data is collected, processed, analyzed, and interpreted for various applications. Students gained an understanding of image processing techniques, spatial data analysis, and the importance of accurate data interpretation.

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· Data Science & Geospatial Applications

Students understood the role of **Data Science, Artificial Intelligence, Machine Learning, and Image Processing** in analyzing large volumes of satellite and geospatial data. The sessions demonstrated how data-driven approaches can support decision-making and scientific research.

· Applications of Remote Sensing

Students were introduced to the applications of remote sensing in areas such as **agriculture, water resources, forestry, disaster management, environmental monitoring, urban development, and natural resource management**.

· Career & Practical Exposure

The interaction with experts provided students with valuable information about career opportunities and emerging fields in **remote sensing, GIS, geospatial analytics, satellite data science, artificial intelligence, and space technology**. Students were encouraged to develop technical skills and explore interdisciplinary opportunities in these domains.

3. Centre/Facility Visit:

Students visited relevant facilities and observed the use of advanced technologies and scientific systems associated with satellite remote sensing and geospatial data applications.

The visit provided students with an opportunity to observe how theoretical concepts learned in the classroom are applied in real-world scientific and technological environments.

Outcome:

The industrial visit to NRSC proved to be highly informative and inspiring for the students. They gained practical knowledge about **remote sensing, satellite technology, geospatial data, image processing, and data analytics**. The interaction with experts helped students understand the importance of Data Science in processing and interpreting large-scale Earth observation data.

The visit also enhanced the students' awareness of career opportunities in the space and geospatial technology sectors and motivated them to explore innovative applications of Data Science in real-world problems.

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Conclusion:

The industrial visit to the **National Remote Sensing Centre (NRSC)**, Hyderabad, on **3rd September 2026**, was a successful and enriching experience for the **IV-Year CSD Students of NNRG**. The Department of Data Science extends its heartfelt thanks to the **NRSC officials and experts** for their valuable time, guidance, and informative sessions.

Such industrial visits not only enhance students' technical knowledge and practical understanding but also inspire them to explore emerging technologies and contribute to India's growth in the fields of **Data Science, Space Technology, Remote Sensing, and Geospatial Applications**.





GPS Map Camera

Hyderabad,Telangana,India 🇮🇳

Hayat Nagar Main Road, Jeedimetla, Hyderabad, Telangana
500055, India

Lat 17.523000, Long 78.445749

Thursday, 03/09/2026 01:12 PM GMT+05:30

Note : Captured by GPS Map Camera



GPS Map Camera

Hyderabad,Telangana,India 🇮🇳

Hayat Nagar Main Road, Jeedimetla, Hyderabad, Telangana
500055, India

Lat 17.522995, Long 78.445739

Thursday, 03/09/2026 01:10 PM GMT+05:30

Note : Captured by GPS Map Camera

40	237Z1A6737	GURRAM SIDDHARTHA	
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48	237Z1A6745	GUNDA SOUNIYA	
49	237Z1A6746	GUNDAGANI HARIKA	
50	237Z1A6747	GUNDE THARIJINI	
51	237Z1A6748	GURRAM SIDDHARTHA	
52	237Z1A6749	JAGARAPU HARIKA	
53	237Z1A6750	JAKKULA NAVEENKUMAR	
54	237Z1A6751	JATOTH NAGESH	
55	237Z1A6752	JULURI SARVANI	
56	237Z1A6753	JUTTU VARSHITA	
57	237Z1A6754	K PRIYANKA	
58	237Z1A6756	KANKARAJAH BIMAPPA	
59	237Z1A6757	KANUGANTI RUSHIKESH	
60	237Z1A6758	KALVALA PREETHI REDDY	
61	237Z1A6759	KOLIPAKA RADHIKA	
62	237Z1A6760	KOLUPULA DEEKSHITHA	
63	237Z1A6761	KONTHAM DINESH	
64	237Z1A6762	KUKUTAPU SAI RAM	
65	237Z1A6763	LANGARI SATWIKA	
66	237Z1A6764	LINGALA SAHITHI	
67	237Z1A6765	LINGAMPELLY DHATHRIKA	
68	237Z1A6766	MADASU HITHAISHI VARDAN	
69	237Z1A6767	MARAM ROHITH REDDY	
70	237Z1A6768	MEDABOYINA SHIVA	
71	237Z1A6769	MIRIYANAM KRUTHIKA	

29	237Z1A67A0	SANDIREDDY SATHWIK REDDY	Sathwik
30	237Z1A67A1	SARA BHANI PRASAD	Sara
31	237Z1A67A2	SHAIK ABDUL SAMIIR	Shai
32	237Z1A67A3	SHAIK FAZIL	Fazil
33	237Z1A67A4	SHAIK RESHMA	Reshma
34	237Z1A67A5	SHANIGARAM VEENA	Veena
35	237Z1A67A6	SINDHI ANJANI DIXITHA	S. Anjani
36	237Z1A67A7	SINGIREDDY ARAVIND	Aravind
37	237Z1A67A8	SURVI PRANAVI	Pranavi
38	237Z1A67B0	TANNEERU JATHIN	Jathin
39	237Z1A67B1	THADURI VINAY	Vinay
40	237Z1A67B2	THAKKURI SHIVA KUMAR	Shiva
41	237Z1A67B3	THATIKAYALA VENKATESH	Venkatesh
42	237Z1A67B4	UDAYAGIRI BHANU ASHMITH	Asmith
43	237Z1A67B5	URUMADLA RESHMITHA	Reshmitha
44	237Z1A67B6	VEERAMALLU KARTHIKEYA	Karthikeya
45	237Z1A67B7	VELPULA SHIVA KRISHNA	Shiva
46	237Z1A67B8	VEMULA LOUKITH	Loukith
47	237Z1A67B9	VENNU VARUN	Varun
48	237Z1A67C0	VONTELA ARCHANA	Archana
49	237Z1A67C1	VUDUTHALA VYSHNAVI GOUD	Vyshnavi
50	237Z1A67C2	VUJJINI RAMYA	V. Ramya
51	237Z1A67C3	VULUPALA AJAYKUMAR REDDY	V. Ajaykumar
52	237Z1A67C4	YALABAKA HARSHA VARDHAN	Harsha
53	237Z1A67C5	YERABELLY SHAMITHA	Shamitha
54	237Z1A67C6	YERRAJANNA ACHUTH	Achuth
55	237Z1A67C7	SEELAM HARSHITHA REDDY	Harshitha
56	237Z1A67C8	BELLALA ESHWAR PRASAD	Eshtwar
57	237Z1A67C9	KARNATI THANVIK KUMAR	Thanvik
58	247Z5A6701	ALGOI SAI SANGAMESHWAR	Sai
59	247Z5A6702	GANGADHARI HARSHITHA	Harshitha
60	247Z5A6703	GOROJU SAI NITHIN	Nithin
61	247Z5A6704	KOTHAPETA DINAKAR	Dinakar
62	247Z5A6705	PADEPU PAVANI	Pavani

NALLA NARASIMHA REDDY

DEPARTMENT OF DATA SCIENCE

INDUSTRIAL VISIT TO NRSC

03-09-2023

S.No.	Roll Number	Name of the Student	Signature
1	237Z1A6701	KRISHNA KUMAR	Krishna
2	237Z1A6702	ADITHYAN KUMAR	Adithyan
3	237Z1A6703	ALLI SURESH KUMAR	Suresh
4	237Z1A6704	ALLI SANJAY VARDHAN REDDY	Sanjay
5	237Z1A6705	AMARACHINTHA SANDHYA	Amara
6	237Z1A6706	ANKUSH	Ankush
7	237Z1A6707	ANNALDAS VIVEK	Annaldas
8	237Z1A6708	APPIDI ASHOK REDDY	Appidi
9	237Z1A6709	ARAGONDA KARTHIK	Karthik
10	237Z1A6710	ARE HARSHITH	Harshith
11	237Z1A6712	ARUKALI ASHOK KUMAR	Ashok
12	237Z1A6713	AVULA PRANATHI	Pranathi
13	237Z1A6714	BALIVADA SAI KIRAN	Sai
14	237Z1A6715	BANDELA BHARGAVI	Bhargavi
15	237Z1A6716	BEGARI POOJITHA	Poojitha
16	237Z1A6717	BILLA SHASHANTH	Shashanth
17	237Z1A6718	BISSA GOPI	Gopi
18	237Z1A6719	BODE MYTHRI	Mythri
19	237Z1A6720	BOINI AKASH	Akash
20	237Z1A6721	BOLISHETTI PAVAN	Pavan
21	237Z1A6722	BOMMAGOUNI ANSHU	Anshu
22	237Z1A6723	BUTTI VIKRANTH	Vikrant
23	237Z1A6724	C VIJAYENDRA	Vijayendra
24	237Z1A6725	CHAGANTI MANEESH	Maneesh
25	237Z1A6726	CHALLA ANVESH	Anvesh
26	237Z1A6727	CHAPPALA RAJESH	Rajesh
27	237Z1A6728	CHEPURI ABHIRAM	Abhiram
28	237Z1A6729	CHETLA AKSHITHA	Akshitha
29	237Z1A6730	CHINTAKINDI MOUNIKA	Mounika
30	237Z1A6731	DAGGULA SRIVASTHAV	Srivasthav
31	237Z1A6732	DANAM HARI KEERTHANA	Hari
32	237Z1A6733	DEVARSHETTI SIVINITH	Sivinith
33	237Z1A6734	DIVYA DASARI	Divya
34	237Z1A6735	EDARA PRATHEEK	Pratheek
35	237Z1A6736	ENGILI SAI TEJA	Sai

Attended

Students list:-

[Signature]

FACULTY CO-ORDINATOR

[Signature]

HOD - CSE (DS)