



Vidya Pratishthan's Kamalnayan Bajaj Institute of
Engineering and Technology, Baramati

Department of Information Technology



ISRO NRSC

Industrial visit by IT Department

ABSTRACT

Department of Information Technology arranged the Industrial visit for the students of third year from 11th March to 15th March 2023. Guidance session delivered at ISRO NRSC Training & outreach Centre. Students observed the facilities and campus functioning of NRSC Centre.

Report Prepared by-

IESA

IT Department

NRSC Jeedimetla

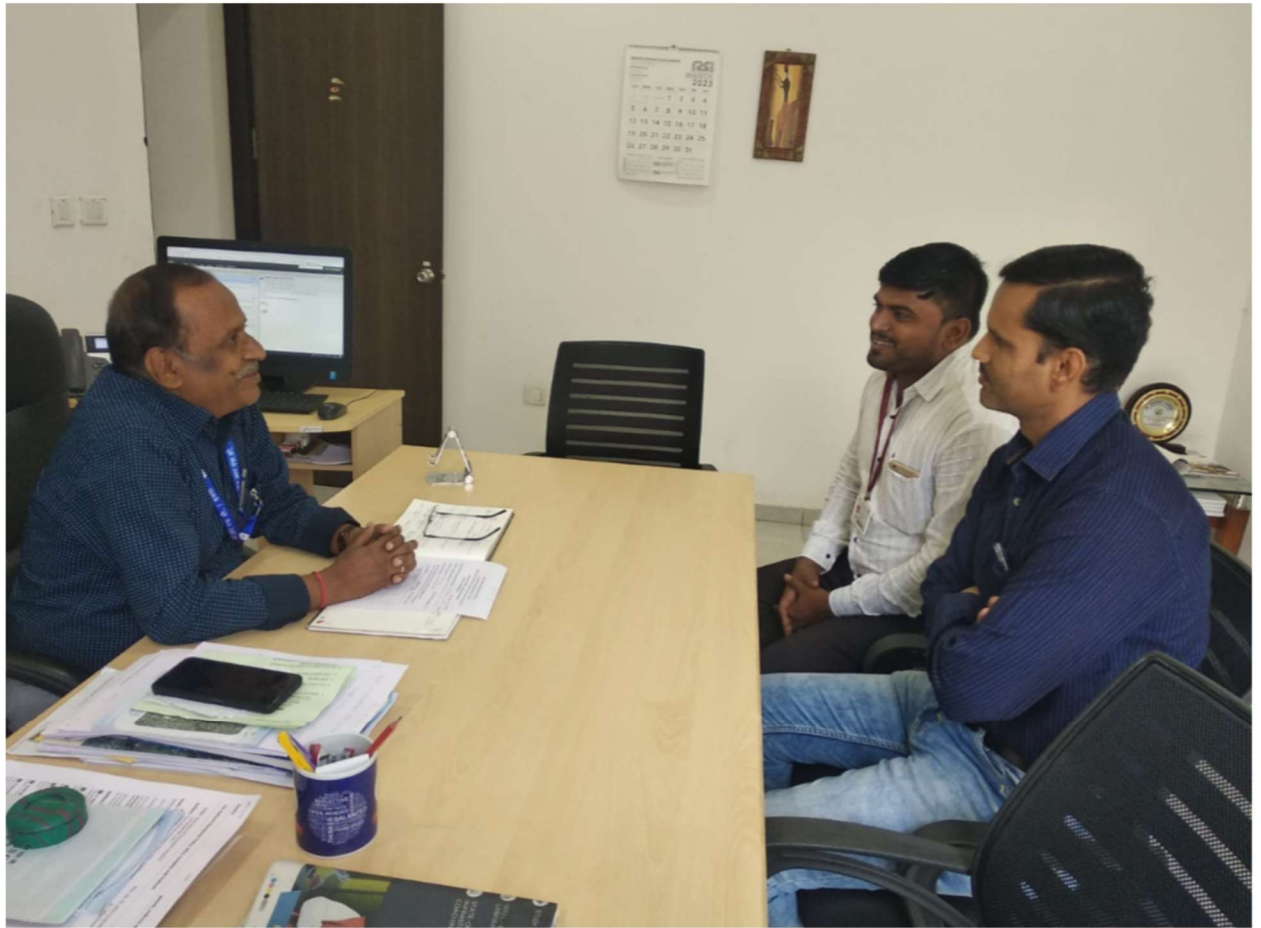
NRSC established a new Outreach Facility at Jeedimetla Campus in Hyderabad to cater to the ever-growing requirements of capacity building in Space-based applications. This facility caters to several activities like Training and Capacity Building, Information Kiosks, Content Generation, Outsourcing and Mass Communication.

National Remote Sensing Centre (NRSC) at Hyderabad is responsible for remote sensing satellite data acquisition and processing, data dissemination, aerial remote sensing and decision support for disaster management. NRSC has a data reception station at Shadnagar near Hyderabad for acquiring data from Indian remote sensing satellites as well as others.

NRSC Ground station at Shadnagar acquires Earth Observation data from Indian remote-sensing satellites as well as from different foreign satellites. NRSC is also engaged in executing remote sensing application projects in collaboration with the users. The Aerial Services and Digital Mapping (ASDM) Area provides end-to-end Aerial Remote Sensing services and value-added solutions for various large-scale applications like aerial photography and digital mapping, infrastructure planning, scanner surveys, aeromagnetic surveys, large scale base map, topographic and cadastral level mapping, etc.

Regional Remote Sensing Centres (RRSCs) support various remote sensing tasks specific to their regions as well as at the national level. RRSCs are carrying out application projects encompassing all the fields of natural resources. RRSCs are also, involved in software development, customisation and packaging specific to user requirements and conducting regular training programmes for users in geo-spatial technology, particularly digital image processing and Geographical Information System (GIS) applications.

Henceforth for the knowledge in the field of space and research Department of Information Technology arranged the visit of TE students to ISRO centre.



DR.GANESH.V.V Sir, ISRO Centre coordinator





GOLCONDO FORT VISIT HYDERBAD

Student List (TE-IT):

SR NO	Name Of Student	Contact No
1	Atharva Jadhav	9970364814
2	Jaykumar Patil	7498440213
3	Jivan Mate	7888200787
4	Pranav Katkar	9119493715
5	Jaydatta Bhapkar	8007506892
6	Yash Shukla	9325362161
7	Om Jadhav	7719046851
8	Aditya Daphale	9370430573
9	Siddesh Munfan	7758026098
10	Abhishek Bahadurkar	8669775379
11	Raman Shinde	7058837254
12	Shubham Bharati	7420004121
13	Mayur More	8623056163
14	Gaurav Mohite	9359944235
15	Anand Choudhari	8208413508
16	Shubham Babar	9356439850
17	Atharva Patane	9066999950
18	Atharva Patil	9356884364
19	Pravin More	9011258372
20	Pranav Karanjikar	7588568247
21	Sakshi Kaware	7620664598
22	Shraddha Jadhav	9860107921
23	Payal Kothari	7972081008
24	Soniya Kekan	7219502544
25	Aishwarya Dombe	8080958459
26	Shivani Gaikwad	7387499774
27	Riya Dhanduke	9322324189
28	Nishita Chavan	8263062985
29	Samruddhi Dhawan	8668201339
30	Trisha More	7809279696
31	Aditi Patil	9503933090
32	Pratiksha Shendage	9356615428
33	Sayali Lokhande	9356902290
34	Pranjali Ghadge	8010541353
35	Nikita Waghmare	8669638776
36	Sakshi Barure	8010034050
37	Aishwarya Kate	9689021938
38	Prachi Gawande	9689496048
39	Gauravi Deshmukh	8767106930
40	Shital Dadas	8767757877
41	Neha Shedge	8857043037

Training Courses Offered at NRSC

Overview

Training Planning & Coordination Division, NRSC offers training courses in Geospatial Technologies and Applications domain to user community. Customized training programmes towards Institutional capacity building under National projects like NHP, ISRO DMSP are also organized to personnel of Central and State Govt. Departments. Bhuvan webinar training is conducted to showcase features of data downloads, visualization, GIS, development and applications themes of Bhuvan Geoportal.

Need: Remote Sensing, GIS and Geo-web information services has emerged as a significant tool for implementation of efficient spatial information technologies needed for tailoring methodologies useful for retrieving, analysis of spatial and non-spatial attributes data. Globally, Geospatial technologies are playing a vital role in enabling users to leverage spatial data towards effective Natural resource management, Disaster Management, Governance and Sustainable Development Management & Practices.

Courses Offered: Theme-oriented and customized courses are organized towards capacity building of user community for optimal use of space inputs for various applications in about 20 courses and training around 500 officials / academic scholars per year.

User Community: Professionals from various Government / Industry / Autonomous / NGOs - Faculty and Researchers from Academic Institutions working in the domain of Geospatial Technologies and its applications can apply for training.

Student Projects

National Remote Sensing Centre (NRSC), Outreach Facility Jeedimetla, Department of Space (DOS) provides an opportunity to the students for carrying out projects as part of fulfilment of PG and UG courses

Eligibility and Duration

Who is eligible?

Final year students of MTech/M.E/BTech/B.E/M.Sc./ MCA courses are eligible for carrying out full time project. Students from Arts & Commerce stream are not eligible.

All applications/requisitions will be screened and reviewed by an internal committee. The screening is done based on marks, and students with excellent academic record, right from schooling till the present course (first class throughout with minimum 70%) will be considered.

Project Duration:

The duration of the project work will be 3-12 months. Preference is given to the students doing project for a longer duration.

Day wise activities:

Date	Time	Activity
11/03/2023	9 PM to 11.30PM	Travelling from Baramati to Hyderabad
12/03/2023	1.00 PM to 3.30PM	Visit to Salar Jung Museum
12/03/2023	4.00 PM to 5:00 PM	Visit to Birla Mandir Hyderabad.
12/03/2023	6.00 PM to 8.00 PM	Visit to Lumbini Park
13/03/2023	9.00 AM to 1.00 PM	Visit to ISRO NRSC (Shahpur & Jeedimetla) Training and Outreach center
13/03/2023	2.30 PM to 5.00 PM	Site seeing at Golconda Fort
13/03/2023	6.00 PM	Visit to Char Minar
14/03/2023	9:30AM to 2.00 PM	Visit to Nehru Zoological Park (17 Students to Ramoji Film City)
14/03/2023	4:00PM to 10.00 AM (15 th March)	Return Journey from Hyderabad to Baramati

Photos:



ISRO NRSC TRAINING & OUTREACH CENTRE JEEDIMETLA HYDERABAD



SALAR JUNG MUSEUM HYDERABAD



Guidance to Students by Professor at ISRO NRSC





ISRO NRSC MODEL GALLERY EXHIBITION

Faculty Coordinators

Mr. Bhausahab Salve
Mrs. Kusumanjali Jagtap
Mrs. Swati Lad

HOD-IT