

A report on Industrial Visit to NRSC, Training & Outreach, Hyderabad

NRSC Outreach facility is being used for enhancing capacity building activities that will meet the increased utilization of geospatial technology, geospatial data generation and analytics. This is helping to meet the requirement of additional training for officials of State / Central Government departments and ministries, supporting outsourcing work to meet the geospatial data generation envisaged under various national mission projects of ministries, to make the host of satellite data available to entrepreneurs for developing products and for increasing interaction with academia industries.

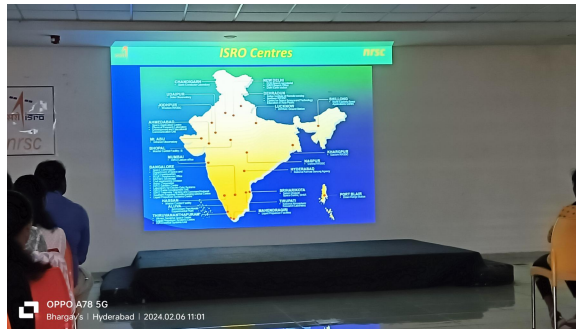
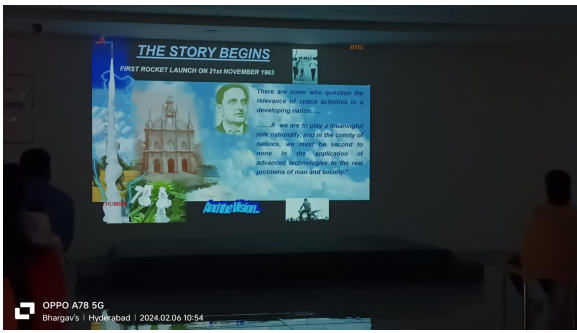
We, the faculty along with III B.Tech. ECE students visited NRSC outreach facility on 06-02-2024 FN.



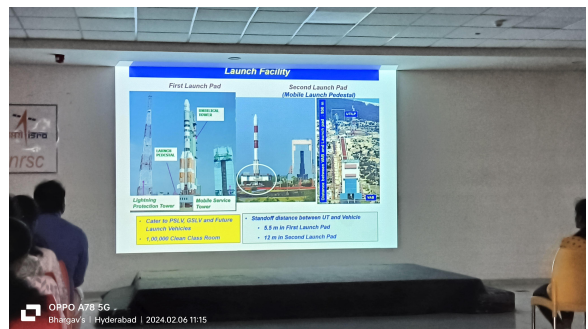
There was a session on Indian Space Programme followed by the lab visit and the museum visit. During the session, they mentioned various on going projects, internship and academic project opportunities for students. The scientists explained about how the space activities started in India by Dr. Vikram Sarabhai.



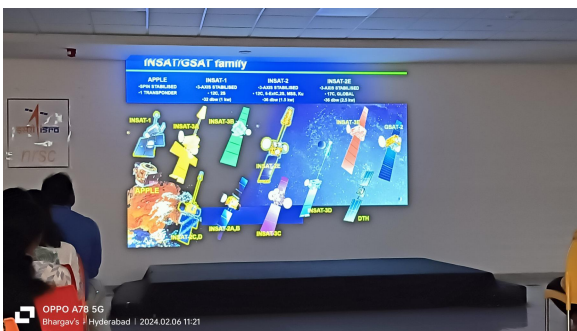
The presentation contains the journey of the ISRO and DRDO, various ongoing missions of the ISRO such as Chandrayaan 1,2,3; Mars orbiter mission/Mangalyaan, Aditya L1 Observatory, Gaganyaan-2025, and NAVIC/IRNSS. They mentioned about various centers established in India under ISRO and DRDO and the work happening in the respective centers.

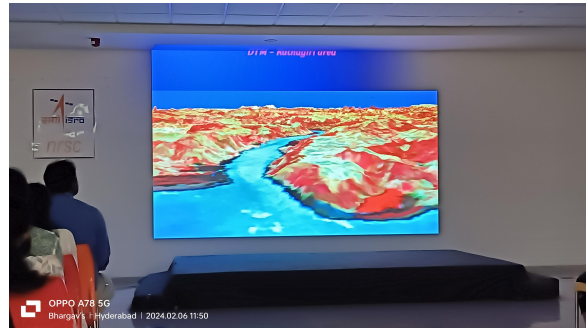
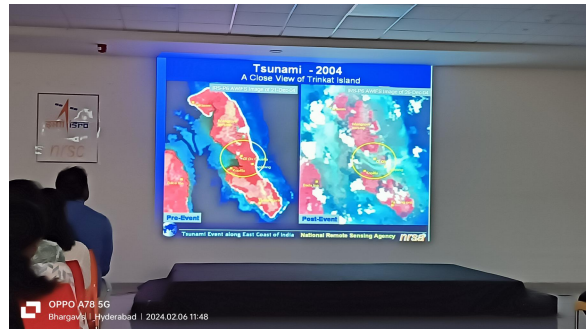
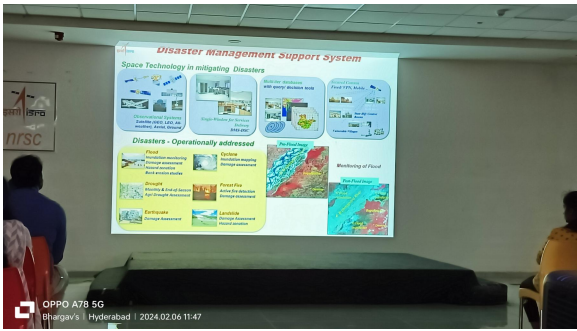


We came to know about the different types of launch vehicles such as PSLV & GSLV and various stages involved in designing the launch vehicles; launch sites situated at SHAR, Sriharikota, and upcoming launch site at Tuticorin.

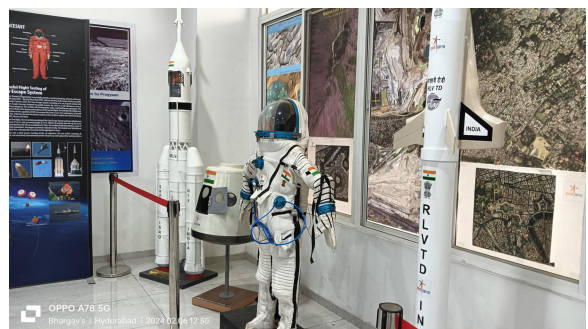
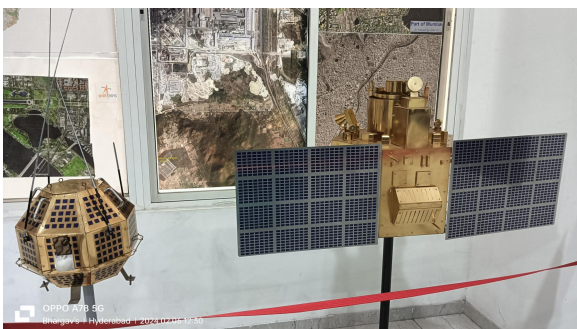


The very interesting things in the presentation are different series of Indian satellites such as INSAT, GSAT, and IRS and their applications such as DTH, Disaster management, Global imaging for Maps, and other Defense applications.

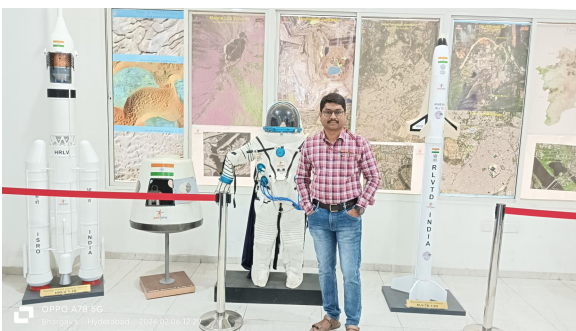





We visited the museum where there are several exhibits such as space suit, different types of launch vehicles, and satellites. Also there was video presentation of assembling launch vehicle stage by stage and launching satellite into space. Students have seen the real time tracking of the satellite in the laboratory.




Faculty Visited: Dr. V.Hindumathi,
Mrs. R.Sahithi,
Dr. L.Bhargava Kumar,
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