

MUFFAKHAM JAH COLLEGE OF ENGINEERING AND TECHNOLOGY

INFORMATION TECHNOLOGY DEPARTMENT

5th November 2024

Information Technology Department, MJCET successfully organized an **Industrial visit to NRSC-ISRO** on 4th Nov 2024, for students of BE(IT) 2nd and 3rd Year for an encouraging day of learning . The visit to National Remote Sensing Centre (NRSC), a key arm of the Indian Space Research Organization (ISRO), brought together over 130 students and 14 faculty members including teaching and non teaching. The primary goal was to expose students to the field of remote sensing, satellite technology, and the real-world applications of space science in India. This visit offered a unique opportunity for students to observe the practical applications of theoretical knowledge gained in classrooms.

The highlights of the visit:

- **Introduction and Orientation:** Upon arrival, students and faculty were welcomed by NRSC's team and given an overview presentation of ISRO's mission and the specific role NRSC plays in supporting various sectors through remote sensing. An introductory presentation detailed the organization's achievements, ongoing projects, and their importance in the context of India's space missions.
- **Satellite Data Reception and Processing:** Students were taken through the data reception and processing facility, where satellite data is received, processed, and analyzed. They observed how raw satellite imagery is converted into useful data that can be applied across sectors such as agriculture, forestry, and urban planning. The technical team explained the processes involved in image correction, enhancement, and data validation.
- **Remote Sensing Applications:** NRSC officials demonstrated the applications of remote sensing technology in natural disaster management. Students learned how satellite data is crucial for predicting and monitoring events like floods, cyclones, and landslides, providing authorities with the information needed to respond effectively.
- **Interactive Q&A Session:** A Q&A session with NRSC scientists and engineers provided students with the chance to ask questions about the technology, future space missions, and career opportunities within ISRO. This interaction was invaluable for students, sparking curiosity and

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providing clarity on various aspects of space research and its applications. The NRSC scientist encourages students to apply for internship and project with NRSC- ISRO.



The industrial visit to NRSC, ISRO in Jedimetla was a valuable educational experience. It provided students with a practical perspective on remote sensing technology and its applications. The insights gained will be beneficial for academic pursuits and future career paths in space and environmental sciences.

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