



**Vidya Pratishthan's Kamalnayan Bajaj Institute of Engineering and
Technology, Baramati
Department of Artificial Intelligence and Data Science**

INDUSTRIAL VISIT REPORT

Name of Industry/Organization : NRSC ISRO, Hyderabad.
Date of Visit : 13/03/2023
Faculty visited : Mr. Pradip N.Shendage
Class : T.E
Number of Visitors : 37 students & 1 Faculty member

About NRSC, ISRO:

The Indian Space Research Organisation (ISRO) is the space agency of the Government of India and has its headquarters in the city of Bengaluru. Its vision is to "harness space technology for national development while pursuing space science research & planetary exploration". The Indian National Committee for Space Research (INCOSPAR) was established in the tenure of Jawaharlal Nehru under the Department of Atomic Energy (DAE) in 1962, with the urging of scientist Vikram Sarabhai recognizing the need in space research. INCOSPAR grew and became ISRO in 1969, also under the DAE. In 1972, Government of India had setup a Space Commission and the Department of Space (DOS), bringing ISRO under the DOS. The establishment of ISRO thus institutionalized space research activities in India. It is managed by the DOS, which reports to the prime minister of India.

National Remote Sensing Centre (NRSC) is one of the primary centres of Indian Space Research Organisation (ISRO), Department of Space (DOS). NRSC has the mandate for establishment of ground stations for receiving satellite data, generation of data products, dissemination to the users, development of techniques for remote sensing applications including disaster management support, geospatial services for good governance and capacity building for professionals, faculty and students

Report:

The department of AI & DS organized an industrial visit to NRSC ISRO, Hyderabad. This visit was organized on 13th March 2023 for TE students. A total of 37 students and 1 faculty, Prof. Padip Shendage visited the Centre. The visit was organized with the prior permission and guidance of Principal Dr.R.S Bichkar and HOD of Artificial Intelligence and Data Science Department Dr. Arvind Jagtap. Faculty members coordinated the visit.

The sessions conducted at NRSC ISRO was very educational and informative that gives exposure to how the industry and the outside market work. The students were benefited with the technical terms and the knowledge of how monitors and controls all the Geostationary / Geosynchronous satellites of ISRO, namely, INSAT, GSAT, Kalpana and IRNSS series of satellites. The Main highlight of the visit was the Rockets PSLV, GSLV. The company outreach plus opportunities were discussed which motivated the students to progress in their stream.

This educational trip was very informative and gave the students a feel of the R & D work being carried out in the field of embedded system, communication, and VLSI. The purpose of the Industrial Training is to provide exposure for the students on practical engineering fields.

Mr.P.P.Ghorpade
Industrial Visit Coordinator

Dr.A.M. Jagtap
HOD,AI & DS Dept.



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Through this exposure, students will have better understanding of engineering practice in general and sense of frequent and possible problems.

So, the exposure that uplifts the knowledge and experience of a student needs to be properly documented in the form of a report. Through this report, the experience gain can be delivered to their peers. A properly prepared report can facilitate the presentation of the practical experience in an orderly, precise and interesting manner.

Glimpses of Visit



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