

## **INDUSTRIAL VISIT REPORT**

On the 20th Feb 2015, the department of Computer Science and Engineering had organized an industrial visit for eighty students of the Sixth semester B.E., who were accompanied by five of the faculties of the department. The visit was to the ISRO, situated in Trivandrum, Kerala.

Indian Space Research Organization, formed in 1969, superseded the erstwhile INCOSPAR. Vikram Sarabhai, having identified the role and importance of space technology in a Nation's development, provided ISRO the necessary direction to function as an agent of development.

Throughout the years, ISRO has upheld its mission of bringing space to the service of the common man, to the service of the Nation. In the process, it has become one of the six largest space agencies in the world. ISRO maintains one of the largest fleet of communication satellites (INSAT) and remote sensing (IRS) satellites, that cater to the ever growing demand for fast and reliable communication and earth observation respectively. ISRO develops and delivers application specific satellite products and tools to the Nation: broadcasts, communications, weather forecasts, disaster management tools, Geographic Information Systems, cartography, navigation, telemedicine, dedicated distance education satellites being some of them.

To achieve complete self reliance in terms of these applications, it was essential to develop cost efficient and reliable launch systems, which took shape in the form of the Polar Satellite Launch Vehicle (PSLV). The famed PSLV went on to become a favored carrier for satellites of various countries due to its reliability and cost efficiency, promoting unprecedented international collaboration. The Geosynchronous Satellite Launch Vehicle (GSLV) was developed keeping in mind the heavier and more demanding geosynchronous communication satellites.

Apart from technological capability, ISRO has also contributed to science and science education in the country. Various dedicated research centres and autonomous institutions for remote sensing, astronomy and astrophysics, atmospheric sciences and space sciences in general function under the aegis of Department of Space. ISRO's own Lunar and interplanetary missions along with other scientific projects encourage and promote science education, apart from providing valuable data to the scientific community which in turn enriches science.

**SPACE PHYSICS LAB, NEW BLOCK, ISRO CAMPUS, TRIVANDRUM**



**ISRO MUSEUM-GALLERY 1**



**ISRO MUSEUM-GALLERY 2**



The Organization is fully automated. Students were amazed at the speed at which the process occurred and how the automated systems could work according to the requirements. The visit

concluded by the afternoon. The industrial visit to ISRO was an enriching experience for students in getting live exposure of Space Technology which can help them in their internships and further career enhancements. The students of Third year CSE and all the five staff members have enjoyed the technical endeavor at both the organizations a lot. Visit seems to be very informative and gives good learning experience. It was the unique example of 'EDUTAINMENT' i.e. Education & Entertainment.

#### **LIST OF STAFF MEMBERS FOR VISIT**

1.	<b>Ms.M.Gayathri</b> Assistant Professor Department of CSE SCSVMV
2.	<b>Mr.RamaMoorthy</b> Assistant Professor Department of CSE SCSVMV
3.	<b>Mr.Shyam Mohan</b> Assistant Professor Department of CSE SCSVMV
4.	<b>Mr.Thirunavukkarasu</b> Assistant Professor Department of CSE SCSVMV
5.	<b>Ms.R.Prema</b> Assistant Professor Department of CSE SCSVMV