

K.S. Institute of Technology Bangalore



DEPARTMENT OF COMPUTER SCIENCE & ENGINEERING

INDUSTRIAL VISIT REPORT

By

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Department of Computer Science & Engineering

K.S. Institute of Technology

Industrial Visit Venue: ISRO

Old HAL Airport Road, Next to NAL, Bangalore-560017

Date: 15th November 2016

Day: Tuesday



Objective

The main objective of the Industrial Visit is to provide an insight to the quality of research happening in the area of space technology and the scope of computer science engineering in this field.

Resource Person

Srinivassa H L, Scientist

Outcome of the program

- Introduction about the pillars of Indian Space Research Organization, Dr Vikram Sarabhai and Sathish Dhawan.
- Brief explanation of the India's satellite launched.
- The two types of satellites and rockets: Polar Satellite Launch Vehicle (PSLV) launches communication satellites like INSAT used in fields like TV, Radio, Internet etc. It can travel upto 800-900kms Geosynchronous Satellite Launch Vehicle (GSLV) launches remote sensing satellite like IRS for sensing earthquakes, forests areas, weather forecasting etc. It can travel upto 3600kms.
- Some of the renown ISRO stations in India manufactures the following machines:
 1. Gujrat - Payload
 2. Bangalore – Satellite
 3. Kerala – Rocket
 4. Chandigarh – 10% of Indian components
- All electronic packages are supplied by America since their components does not wear out for about 15 years.
- Honey comb structure for skeleton of satellites is used.
- Clean room where satellite is built was shown.



Conclusion & Acknowledgment

The main objective of the Industrial Visit is to provide an insight to the quality of research happening in the area of space technology and the scope of computer science engineering in this field.

This event would not have possible without the blessings and support of our **Management**. I would like to thank our Principal **Dr. T.V. Govindaraju** whose blessings and support made the visit to ISRO, Bengaluru a greatest success. I am very thankful to our Head of the Department (Computer Science and Engineering) **Dr. B.V. Venkatapur**, without her continuous guidance, motivation and moral support this visit would not have been possible. I am also thankful to our Industrial Visit Chief Coordinator **Dr. Ranjana Jain** with her reference the visit to Infosys campus was possible to all the Infosys places candidates. I also thank my colleagues **Prof. Krishna Gudi, Prof. Swathi K, Prof. Impana K.P.** of Computer Science and Engineering who supported and helped me in coordinating during the Industrial Visit. Lastly the students of **5th Semester** Computer Science and Engineering for being very cooperative and maintaining discipline during the Industrial Visit