

Atmiya Institute of Technology and Science

Department of Electronics & Communication and Electrical Engineering

A Report on

Guest Lecture by Mr Jayant Joshi (Ex- Scientist, ISRO) ,

on

“Satellite Technologies”

(Conducted under ISTE student chapter)

A Guest Lecture by Jayant P Joshi, ex-scientist / engineer, Space Application Center, ISRO on **“Satellite Technologies”** was delivered on February 11th, 2017 for the students of B-Tech (EC and EE) VI-sem. He started his career with ISRO’s first communication satellite **“APPLE”**. He was associate project director for GSAT – 15, GSAT – 16, GSAT – 18. He was involved in design and development of satellite system (more than 20 satellites).

He initiated his session with overview of need of satellite followed by the speech of Principal, AITS Dr G D Acharya. The session was made interactive by thought provoking questions posed by Mr Jayant Joshi to the student audience for example what is to be done with towers if a signal is to be transmitted to one tower to another one separated by a very long distance? For which convincing answers were given by the student audience. This conversation has created an excitement among the students.

The session went on by addressing the various topics related to satellite technologies like:

1. Satellite parts manufacturing
2. Transportation of satellite
3. Types of fuel used
4. Orbits and parking slots
5. Satellite launching process
6. Satellite maintenance

In addition to above discussion he further discussed about the culture of ISRO and minimum qualification to enter in ISRO.

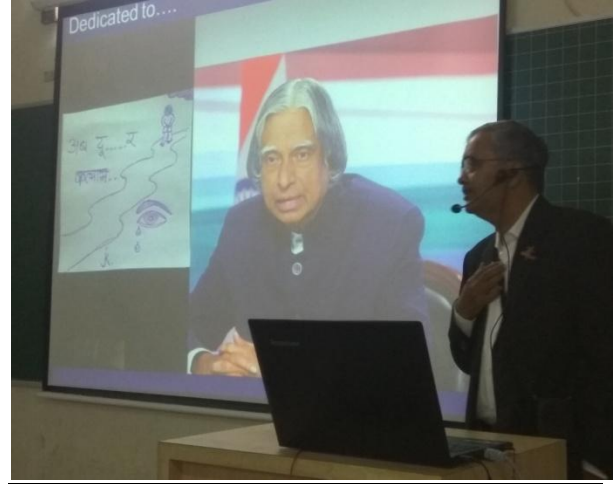
He concluded the session by presenting a video of how the satellite is launched and put into the orbit within 20 minutes which motivated students to join ISRO and research fields. He also suggested students to learn to work in a team.

The lecture has proven to be very inspiring and informative for the students.

The lecture was coordinated by Prof. Dhaval Vora (EED) and the whole arrangement was made and vote of thanks given by Dr. Ashish Kothri (ECD). Prof. N C Rana (EED) and Prof. Y.N. Makwana (ECD) assisted Dr Ashish Kothari to make necessary things available for the arrangement during the session.

Some Snaps of the Expert Talk





Mr D. A. Vora

Mr. N. C. Rana

Mr. Y. N.

Dr. A. M.

Dr. G. D. Acharya

Makwana

Kothari