

Nalla Narasimha Reddy Group of Institutions

Report On

Guest Lecture on "Satellite Communication"

by

Mr.M.Surya Narayana

Under IETE, ISF-NNRG Professional chapter

The guest lecture was conducted by the department of E.C.E on 04th Jan, 2016. It was organized under the professional chapter of IETE.

Guest Lecture by Mr.M.Surya Narayana, ex-scientist / engineer, NRSC, ISRO on "Satellite Communication" was delivered on January 4th, 2016 for the students of B-Tech (ECE) III & IV Year students. 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 Dean, Dr.G.Janardhan Raju. The session was made interactive by thought provoking questions posed by Mr.M.Surya Narayana 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.



P. S. Sivasubramanian
HOD-ECE

Head of the Department
Electronics & Communication Engineering
Nalla Narasimha Reddy Education Society's
Group of Institutions - Integrated Campus
Chowdariguda(VIII), Ghatkesar (Mdl), R.R. Dist 500 088