

DON BOSCO INSTITUTE OF TECHNOLOGY

(Engineering College)

Department of EXTC

Report on

RESONANCE 2014

TOPIC: SATELLITE COMMUNICATION AND APPLICATIONS

SPEAKER: 1. ASHOK KATAKDHOND-DIVISIONAL ENGINEER, SATELLITE-MTCE

2. VINOD BANSAL-JUNIOR TELECOM OFFICER, WTR, BSNL

3. SUNIL MATHUR-SCIENTIFIC OFFICER, BARC

4. VINAYAK MORE

DATE & TIME: September 23, 2014, 9.00 am to 5.00 pm

VENUE: Fr. MONDINI HALL, DBIT

TARGETED AUDIENCE: TE-EXTC

NO. OF PARTICIPANTS: 66 Students and Prof. Mande Prof. Madhavi, Prof. Aparna,

Prof Jithin, Prof. Sneha and Prof. Girish

The RESONANCE 2014 was based on SATELLITE COMMUNICATION AND IT'S APPLICATION. The session began with a welcome speech of our Principal DR. PRASANNA NAMBIAR followed by a talk by DR. S. S. MANDE, HOD, EXTC DEPT.

Prof. MADHAVI S. PEDNEKAR addressed the audience on detailed Program Schedule for the day and the scope of development in Satellite Communication.

SESSION 1 (9AM-11AM):

The session was taken by ASHOK KATAKDHOND, who gave detailed information about latest trends and developments in the field of SATELLITE COMMUNICATIONS. He gave brief information about the evolution of transmission networks over the years, Satellite Systems, Components used. Types of satellites and orbits were also discussed

SESSION 2 (11:15AM-1:15PM):

ASHOK KATAKDHOND continued the second session wherein he gave basic knowledge about the components of Satellite and gave some examples where Satellite communication is used. He also showed the videos elaborating the construction and working of satellite.

The second half of this session was conducted by VINOD BANSAL. He discussed about VSAT. Starting with its fields of application, he acquainted students with its component, uplink and downlink signals, IPSTAR System and various networking topologies.

SESSION 3 (2 PM-3.30 PM)

MR.SUNIL MATHUR started the session by giving more information about VSAT Communication. He discussed various advantages of using VSAT and also discussed some of its disadvantages. He gave detailed information about the fields wherein VSAT communications can be used and also discussed about its types of network and channel access scheme.

SESSION 4 (3.30 PM- 5.00 PM)

The second half of this session was conducted by VINAYAK MORE who gave detailed information about TRANSMISSION of signals. He discussed the parameters that should be taken care of while transmitting signals and discussed various types of multiplexing. He also addressed doubts of the students related to SATELLITE COMMUNICATIONS.

The ended with vote of thanks by faculty member SNEHA SHIVAMKUTTY.

Feedback:



RAHUL FERNANDES:

The programme arranged was very good. It gave us knowledge about satellites, from the making of it to the launching. Different parameters of antenna were discussed. As a student of electronics and telecommunication engineering, this session would really help me in future



TEJAL DESAI:

The session taken by the officers of BSNL and BARC gave us a thorough knowledge about the topic. The videos shown actually showed how the satellites are made and launched. So overall it was a very nice session.

EVENT PHOTOGRAPHS

1. Resonance Poster



2. Lightening of the Lamp by Guest of honour, Mr. Vinod Bansal



3. Keynote Address by our Principal, Dr. Prasanna Nambiar



4. Keynote Address by our Guest of honour, Mr. Ashok Katakdhond



5. Prof. Madhavi S. Pednekar explains Resonance Program Schedule



6. Mr. Vinod Bansal addresses the audience on Satellite Earth Station



7. Students Audience from TE EXTC



Prepared By: Ms. Madhavi S. Pednekar

Approved By: Dr. Sudhakar Mande