



Report of OnedaySeminarOnSatellite Communication: Antenna Design Challenges

March 5, 2016

Organized by

Department of Electronics & Communication, CKPCET, SURAT

In Association with

IEEE Antennas & Propagation Society and Microwave Theory & Techniques Society



Chief Advisor:

Dr. Milind Mahajan

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Coordinators:

1. Dr. Ninad S. Bhatt, Professor & Head, Electronics and Comm. Engg. Dept., CKPCET
2. Prof. Sharmila Rana, Assistant Professor, Electronics and Comm. Engg. Dept., CKPCET
3. Prof. Ankita Prajapati, Assistant Professor, Electronics and Comm. Engg. Dept., CKPCET

Expert Faculties:

- (1) Mr. Sagi Sravan kumar, Senior Scientist, Space Applications Centre, ISRO, Ahmedabad
- (2) Mr. Pratik Mevada, Scientist, Space Applications Centre, ISRO, Ahmedabad

Brief details:

The Seminar was scheduled on 5th March, 2016, at the seminar Hall, D2 building, CKPCET. Total 80 enthusiastic participants (including UG, PG & Ph.D. students) were enrolled for the seminar from different colleges across South Gujarat. Seminar conducted having two technical sessions and panel discussion among the experts, faculties and students.

Seminar began with the Inauguration ceremony under the gracious presence of our respected trustee Mr. Maheshbhai Pithawalla, Principal Dr. Anish Gandhi, Head of the E.C. Department (Co-ordinator) Dr. Ninad S. Bhatt, Experts from ISRO Mr. Sagi Sravan Kumar and Mr. Pratik Mevada, Co-ordinators Prof. Ankita Prajapati and Prof. Sharmila Rana, Faculties of E.C. department and Participants.

First Session was conducted by Mr. Sagi Sravan kumar (Sr. Scientist, Antenna System groups, SAC, ISRO), about "Antenna technologies for communication & navigation satellites". Session included all the basic antenna parameters, different satellite antenna configurations, satellite and navigation antenna design techniques etc.

Second session was delivered by Mr. Pratik Mevada (Scientist, Antenna system groups, SAC, ISRO). Discussions were held on "The UWB antenna: the ultimate antenna engineering". The main focus was on wide applications of Ultra Wide Band antenna, design techniques for UWB antenna and its applications in satellite communication. Lastly, session also included brief overview and demonstration of important simulation software like HFSS and CST for beginners of the antenna design.

Seminar concluded with the certificate distribution to the participants followed by the valedictory ceremony. At the end of seminar, participants shared their views and based on

that it could be concluded that they really enjoyed and gained the unexpected knowledge from all technical sessions of this seminar. The workshop moments were captured by Harnish Choksi & Mukesh Mishra.

Successful end is never achieved without successful beginning. Success of this event would not have been possible without co-operation of **Dr. Milind Mahajan**, Head of Satellite Communications Antenna Division, SAC, ISRO (Chairman, IEEE APS-MTTS chapter, Gujarat section). He supported this event as a guide and as a mentor right from the beginning till the end of this event.

Feedback report of the participants is attached here:

