

Expert Talk on “Security Issues and Challenges in Wireless Communication”

Organized By

**IEEE Antenna Propagation Society, MEFGI Student Chapter
&
Department of Electronics & Communication Engineering
Marwadi Education Foundation, Rajkot**

By Experts :

**Dr. (Mrs.) Upena D. Dalal (Associate Professor, SVNIT, Surat)
Dr. (Mrs.) Shweta N. Shah (Assistant Professor, SVNIT, Surat)
(2nd September, 2016)**

Expert Talk on “*Security Issues and Challenges in Wireless Communication*” was organized under IEEE Antenna Propagation Society, MEFGI Student Chapter on September 2nd, 2016 at Marwadi Education Foundation with coordinator being Mr. Nilesh D. Makwana, Assistant Professor, Electronics & Communication Engineering Department, Marwadi Education Foundation.

The expert talk was conducted by Dr. (Mrs.) Upena D. Dalal, Associate Professor, Department of Electronics Engineering, SVNIT, Surat and Dr. (Mrs.) Shweta N. Shah, Assistant Professor Department of Electronics Engineering, SVNIT, Surat. Dr. (Mrs.) Upena D. Dalal is the first lady in Gujarat state who obtained Ph.D. in the field of wireless communication. She was also honored with Rastriya Gaurav Award by India International Friendship Society in April 2010. She is a renowned faculty in wide sub domains of wireless communication like Wireless Access Protocol, Bluetooth Technology, Network Security, Digital Modulation Schemes. Dr. (Mrs.) Shweta N. Shah has been honored with Rashtriya Vidya Gaurav Puraskar, from Indian Solidarity Council on 25th July 2016. She has been also honored with National Mahila Rattan Gold Medal Award on the same day. She is highly experienced in the domains like Modern Communication system, telematics, Fiber optics communication, cellular technology, Digital Image processing and wireless communication.

The expert talk was a great opportunity for the students to develop an insight about Advance Wireless Communication. The Workshop started with inauguration. As Go Green

is what being inspired by government towards taking initiatives in protecting the nature, we showed notability with plants. The Talk was divided into two sessions – First session was a brief description on Ultra Wideband (UWB) and Cognitive Radio Technologies by Dr. (Mrs.) Upena D. Dalal where she enlightened the students by giving a brief introduction of what Ultra Wide Band and Cognitive Radio are. She also explained why UWB is used, its specifications, its unique characteristics, advantages, applications and many more new things about which the students were totally unaware. The second session was handed over to Dr. (Mrs.) Shweta N. Shah where she initiated by giving an introduction about the need of security in wireless communication. She gave the overview of wireless security and the threats in the network of wireless communication. Giving the solution for the threats happening, she explained how to secure the wireless transition of information and the network. Lastly she concluded by discussing few of the technologies for Wireless Security.

The event was brilliantly organized and managed by the IEEE MEFGI Student Branch. Starting from registration to the easy flow of the event, the volunteers did a wonderful job. Above all thanks to Dr. R. B. Jadeja (Dean - Engineering) & Dr. R. D. Patel (HOD - EC) without whom it would have been next to impossible to organize such an amazing event that gave students insight of wireless Communication.

In and all, Students from E.C. and M.C.A branch had a great time attending expert talk on *“Security Issues and Challenges in Wireless Communication”* and got to learn many new things which they were previously unaware of. Students are also look forward to attend more such events in the future and develop themselves.

Coordinator
Prof. Nilesh D. Makwana
(Assistant Professor, ECE Department)

Here are few glimpse from the event:





