ICT Based FDP on "4G & 5G"

Report

An ICT based Faculty Development Program was organized at MSIT by Department of Electronics and Communication Engineering from 17th September 2018- 21st September,2018 on **"4G & 5G".**

This course was specially organized on request by Dr. Sudesh Pahal, Associate Professor, ECE Dept, MSIT to Ms. Garima Saini, Electronics and Communication Engineering Department, NITTTR, Chandigarh. Dr. Sudesh Pahal was the course coordinator for the program. She conducted this short term course with the help of Dr. Puneet Azad, HOD, ECE Department, MSIT and Ms. Garima Saini. The entire program has been formulated in room no. 206 i.e. seminar hall of MSIT.

A total of 31 faculty members from departments of ECE, CSE, IT (both shifts), EEE attended the program assiduously. The FDP covered various topics such as: Evolution of Mobile wireless networks, 4G Architecture, OFDMA-4G Downlink, Overview of wireless planning Software, MIMO Receiver Designing, 5G Concepts & Architecture, Challenges for Future Generation Wireless Communication, Non orthogonal Multiple access for 5G, Security Issue in Wireless Technologies, 5G Technologies and Machine Learning in 5G.

Various speakers of the program who shared their in-depth knowledge include Prof. Brahmjit Singh, NIT Kurukshetra, Dr. Brijesh , IIT Ropar, Ms. Garima Saini, NITTTR, Chandigarh, Dr. B C Chaudhary, NITTTR, Chandigarh, Dr. Davinder Saini, CCET, Chandigarh, Dr. Bhaskar Gupta, CCET, Chandigarh, Dr. Maitreyee Dutta, NITTTR, Chandigarh, Mr. Kapil Bhutani, Telcocrats Technologies Private Ltd., Mr. Kushal, Remcom.

All the speakers were the renowned experts in their field with immense knowledge of the subject. The audiences have gratitude for speakers for sharing their valuable ideas and knowledge in a simple manner. This FDP was very much beneficial for delegates from all the departments and suggested different ways for interdisciplinary research.

The program ended with a valedictory session by all ICT centers. We expressed our gratitude to the coordinators of program from NITTTR for their co-operation throughout the program. The feedback was taken from all the participants. Dr. Sudesh Pahal gave valedictory report to NITTTR, mentioning that the FDP was very informative and interesting. It covered the topics beginning from the very basic including evolution and architecture of wireless networks up to the most advanced level including machine learning in 5G.