

**COIMBATORE INSTITUTE OF TECHNOLOGY, COIMBATORE – 641 014**  
**DEPARTMENT OF ELECTRONICS AND COMMUNICATION ENGINEERING**

A REPORT ON

**ONE WEEK FACULTY DEVELOPMENT PROGRAMME ON**

**FUNDAMENTALS OF WIRELESS COMMUNICATION – THEORY & PRACTICE**

**21<sup>st</sup> – 27<sup>th</sup> October 2013**

The one week faculty development programme on “**Fundamentals of wireless communication – theory & practice**” was conducted by the Department of Electronics and Communication Engineering, Coimbatore Institute of Technology during 21<sup>st</sup> – 27<sup>th</sup> October 2013.

The Organizing secretaries of this FDP are:

Dr. A.Rajeswari, Professor & Head

Prof.P.Chitra, Associate Professor and

Ms. M. Ramya, Assistant Professor

The Inaugural function of this FDP was held on 21<sup>th</sup> October 2013 in Main Building 108 at 9.30 a.m. **Dr. C. R. Padmanaban Ramasamy**, DIRECTOR – R&D, NEXGTECH WIRELESS SYSTEMS PRIVATE LIMITED was the chief guest of the function. **Dr. V. Selladurai**, Principal, CIT presided over the function. **Dr. A. Rajeswari**, Associate Professor, Head ECE Department welcome the gathering. **Dr. N. Murugan**, Professor & TEQIP- II Co-ordinator ,CIT presented the felicitation address. **Prof. P. Chitra**, Associate Professor, had delivered an overview of the workshop and **Ms. M. Ramya**, Assistant Professor has presented the vote of thanks.

This TEQIP (PHASE-II) sponsored one week FDP has been designed as a fundamental course in wireless communication theory and practice for young teachers. This will enhance their knowledge which will help them to teach the students in a better way. This will also provide a forum to motivate the participants to go for active research in these areas.

Expert Member from various colleges and Industries were delivered the lecturers.

Day One: **Dr. C. PadmanabanRamasamy**, Director, **NexgTechnologies**, **Chennai** had given an Introduction to Wireless Communication Systems and Cellular Concept.

Day Two: **Mr. Jeyasingh Pathrose, Chief Technology Officer, Jasmin InfoTech Pvt. Limited, Chennai** was dealt about WIFI, Bluetooth, RF for Audio, Wireless in Health care, Narrowband connection, Wireless in Digital home, Wireless in Automotive, Delay and followed by **Dr. S. Umamaheswari, Associate Professor, ECE Dept., CIT** explained about Cellular System, Frequency Management and Channel assignment.

Day Three: We went for an Industrial Visit to **BSNL** at Saibaba colony and Industrial Visit to **TATA Communication** at Puliyakulam.

Day Four: **Dr. K. Giridhar, Professor, Comm. Group, Dept. of Electrical Engg., IIT, Madras** was dealt about Wireless Systems and Standards and Het-Nets in the context of LTE --the pros and cons and followed by **Dr. S. J. Thiruvengadam, Professor, Dept. of ECE, TCE, Madurai** about Equalization and Diversity concepts.

Day Five: **Dr. A. Rajeswari, Professor and Head, ECE Dept, CIT** was explained about Mobile Radio Propagation and Channel Coding followed by Lab Class in the afternoon.

Day Six: **Prof. T. Senthil Vinayakam, Associate Professor, ECE Dept., CIT** was explained about Multiple Access Techniques followed by Dr. S. Dharmaraja, **Professor, Dept. of Maths, IIT, New Delhi** explained about Wireless networking and Future Generation wireless systems.

Day Seven: **Commander M. Ramasubramanian, Indian Navy** had delivered about Life Skills followed by **Dr. M. Sundarambal, Professor, EEE Dept., CIT** explained about Mobile Computing

The participants had excellent learning experience. Over 30 faculties both internal and external faculties were attended the FDP programme along with them M.E. students of our institution was also attended the FDP.