EMERGING TRENDS IN VLSI AND COMMUNICATION (ETVC 2018)

REPORT

Department of Electronics and Communication Engineering organized a 10 days Faculty Development Program on "EMERGING TRENDS IN VLSI AND COMMUNICATION (ETVC 2018)". The program was scheduled from June 09th -18th 2018 at Jaypee University of Information Technology, Waknaghat, Solan, H.P with Dr. Meenakshi Sood and Dr. Shruti Jain as the Convener of the program.

The program was inaugurated by Dr. Subhajit Roy Chaudhary, Prof., School of Computing and Electrical Engineering, IIT Mandi, Prof. Vinod Kumar, Vice Chancellor, JUIT and Prof. Samir Dev Gupta, HOD ECED.

More than 30 faculty members from various universities / institutes, 20 Research scholars have participated in this FDP.

Expert Lectures :

a) ***Dr. Shubhajit Roy Chowdhury* IIT Mandi, India :** Dr. Shubhajit Roy Chowdhury did his M.Tech and PhD from the Jadavpur University. He was gold medalist in M.Tech as well as B.Tech program. His research interest includes VLSI Architectures, Biomedical Embedded Systems, Non invasive diagnostic systems etc. Prior to joining IIT Mandi, he was associated with IIIT Hyderabad, Indian Statistical Institute, Kolkata, and Jadavpur University. Elected as a member of Award Committee for Gandhian Young Technological Innovation (GYTI) Award by the Society for Research and Initiatives for Sustainable Technologies and Institutions (SRISTI) in the area of Health Care devices in the year 2018. His topic for the talk was " VLSI : A tale of design or a tale of tools?"
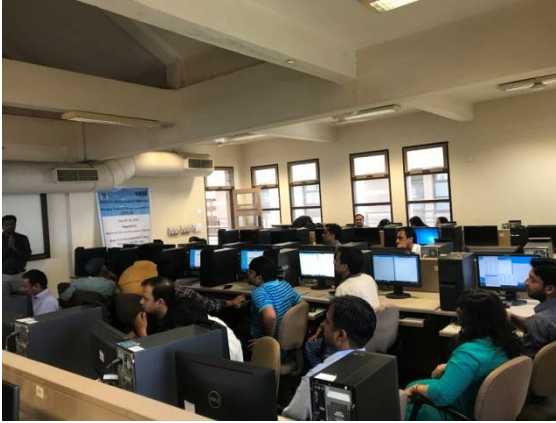
b) *Prof. Dinesh Kant* **RMIT, University, Melbourne, Australia :** Professor Dinesh Kumar received his Bachelor of Technology in Electrical Engineering from IIT, Madras (Chennai) and Doctor of Philosophy from IIT, Delhi. He is working as a Professor in Electrical and Computer Engineering, at RMIT University, Melbourne city Australia. Dinesh has received over $4 million in research funds over the past 12 years in research funding.

Hands on by various companies :

a) **Laboratory Virtual Instrument Engineering- Workbench (LabVIEW)** LABVIEW is a system-design platform and development environment for a visual programming language from National Instruments. The graphical language is named "G"; not to be confused with G-code. Originally released for the Apple Macintosh in 1986, LabVIEW is commonly used for data acquisition, instrument control, and industrial automation on a variety of operating systems(OSs), including Microsoft Windows, various versions of Unix, Linux, and macOS.

b) CoreEL Technologies CoreEL is a leading systems design, FPGA Core and Design services company, located in Bangalore, India's Silicon Valley. We are a pioneer among the Indian companies that envisaged the concept of IP cores and made it a successful business proposition. CoreEL is associated with Xilinx as a distributor for over twenty years, from 1993 onwards and has the credit of popularizing Xilinx FPGA technology in India. Name CoreEL stands for Core Electronics and that is our strength. We are a Customer Application Specific Product & Solutions (CASPS) company offering innovative solutions, ranging across Intellectual Property (IP) cores, Design & Development, -System Design & Prototype Development, Next-Gen Digital products, integrated solutions, Low Volume Manufacturing, System Upgrades and Obsolescence management, EDA tools, COTS products, Semiconductor solutions and Technology Training.

c) AdvanceTech India Pvt Ltd : AdvanceTech India Pvt Ltd, Zirakpur which deals in the field of Hardware Development, Embedded Products Development, Security & Surveillance and Engineers Training Programs. AdvanceTech India Pvt. Ltd. an Embedded Design House. AdvanceTech India Pvt. Ltd. offers various Technical Education solutions, Products & Development tools to Engineering colleges, Universities, research organizations. We also offer the business of providing Technical education solutions & development tools to the educational & industrial customers.

The FDP was concluded by Dr. Nishant Jain lecture on "Programming Paradigm on Optimization Tools" followed by valedictory on June 18, 2018.