

## **2017-18**

### **FUNDAMENTALS OF ELECTRONICS & COMMUNICATION**

Department of Electronics and Communication Engineering organized five day FDP on **Fundamentals of Electronics & Communication** during 10-14 July, 2018. The FDP, sponsored by Dr. APJ Abdul Kalam Technical University, Lucknow, was conducted in ten technical sessions delivered by eminent faculty and experts from the industry.

<b>Topic</b>	<b>Speaker</b>
Advances in Mobile & Satellite Communication	Dr. R. K. Mehrotra Professor Sharda University
Evolution of 5G Technology	Wg. Cdr. (R) Arif Khan CEO Crishall T-Sec Solutions New Delhi
Industrial Perspective of RF & Microwave Technology	Mr. Amit Tiwari Project Manager BEL
Communication Processes & Dynamic Networks	Dr. Priya Ranjan Professor Amity University, Noida
Satellite Communication & Link Engineering	Mr. Anil K. Nandra DESIGNATION Advanced Level Teachers Training Centre Ghaziabad
Frequency and Code Planning in Mobile Communication	Mr. Vikas Nigam Asst. Director

	Advanced Level Teachers Training Centre Ghaziabad
Embedded System- A Technology of Future	Dr. Madan Mohan Tripathi Associate Professor Delhi Technical University, Delhi
Optimization of Digital CMOS Integrated Circuits.	Dr. Kunwar Singh Assistant Professor Netaji Subhash Institute of Technology, Delhi
Antennas for Mobile Communication	Dr. Shweta Srivastava Professor JayPee University, Noida
New Analog Building Blocks for Analog Signal Processing	Dr. Ashish Gupta Associate Professor ITS-EC, Greater Noida



## **INTRODUCTION TO ADVANCES IN ELECTRICAL ENGINEERING**

Department of Electrical and Electronics Engineering conducted FDP on **Introduction to Advances in Electrical Engineering** during 23-25 November, 2017 for the faculty of the department. Speakers from IIT Delhi, IIT Roorkee and AKGEC covered important topics during the FDP.

<b>Topic</b>	<b>Speaker</b>
Advances in Industrial Drives	Dr. A.K. Jain Assistant Professor Electrical Engineering Department IIT Delhi
Advances in Power Electronics	
Advances in Digital Signal Processors	Dr. Bhupal Singh Prof. & Head Department of Electrical and Electronics Engineering AKGEC
Advances in Control Systems	Dr. Sunil Kumar Mishra Assistant Professor

	Department of Electrical and Electronics Engineering AKGEC
Modern Power Systems	Dr. D. K. Khatod Associate Professor
Advances in Renewable Energy System	Electrical Engineering Department IIT Roorkee



## **INTERNET OF THINGS**

Two day FDP on Internet of Things was organized by Department of Computer Science and Engineering & Department of Information Technology during 9-10 February, 2018. The FDP was conducted as an initiative to enrich the knowledge of faculty members through interaction with eminent personalities from industry.

Mr. Binit Kumar, Director, Morling Global Private Limited, enlightened the participants on the current trends in IoT. The subject was deliberated during the FDP through lectures and hands on experience sessions on topics including Components of IOT, DNA of IOT, Intelligence, Sensors & Actuators,

Communication Protocol/Network, I2C, SPI, Introduction to Python, ARDUINO, IOT Data Communication and Wireless and Wired connectivity.

Total 39 participants from Departments of CSE, IT and TIFAC CORE attended the FDP and got benefited.



## **AUTOMATION AND ROBOTICS**

Five day FDP on Automation and Robotics was conducted by CORE in association with AKTU under TEQIP-III during 21-25 May, 2018. The FDP conducted through 10 technical and 5 laboratory sessions delivered the contents in an efficient manner. It aimed at creating an opportunity for the participants to identify prospective applications of Robotics and Automation Technologies in their respective engineering domain. The course also provided a forum for participants to exchange ideas on the state-of-the-art research and development in the field of Automation & Robotics.

Total 35 participants from various reputed engineering colleges including Shiv Nadar University, PESIT Bangalore, JSS Noida, IPEC Ghaziabad, KEC Ghaziabad and MIET Meerut participated in the FDP.

Majority of technical sessions were led by eminent speakers from Industry like KUKA Robotics, Delta Electronics and Vee Gee Industries and Academia including Professors from IIT Roorkee, DTU, NSIT and GB Pant University Delhi.



## WORKSHOP ON STRESS MANAGEMENT

With a view to improve effectiveness at work, a one day workshop on **Stress Management** was organized for the senior faculty on 21 May, 2018. The workshop, conducted by Dr. Detlev Schmidt from Senior Experten Services, Germany, focused on identification of the various factors contributing to stress at workplace and their management. A variety of techniques including games and group work were applied to discover the stress related issues and list and group them under various aspects of the Organization as well as human behavior. Experience sharing and summarizations by the participants provided useful insight on how work related stress can be avoided and managed.

