

One-Week Workshop  
On

# “Communication and Antenna Design for IoT” (CADIT-2017)

22<sup>nd</sup> September – 27<sup>th</sup> September, 2017

*Jointly organized by*



**IEEE MTTs Student Branch Chapter,  
IEEE Communications Society Student Branch Chapter and  
IEEE Antennas and Propagation Society Student Branch Chapter**

**&**



**Department of Electronics & Communication Engineering  
Motilal Nehru National Institute of Technology Allahabad  
Allahabad-211004, Uttar Pradesh, India**

## WORKSHOP CONTENTS

The following topics will be covered in this workshop:

- Wireless Networks for IoT.
- Hands on experiments on IoT.
- Microstrip Patch Antenna (MPA) Design for IoT.
- MIMO Antenna Systems for IoT.
- Microstrip Patch Filter Design Procedure.
- Microstrip Patch Filtenna Design Procedure.
- Design of Patch Array.
- Simulation using HFSS.
- Hands on QualNet.
- Hands on Vector Network Analyzer.
- Hands on System View of IoT.
- Lab sessions.

**ELIGIBILITY:** B.Tech., M.Tech., Ph.D. Students, Faculty and professionals from Industries are eligible.

### REGISTRATION FEE\*

Student (IEEE Member)	: ₹ 3200
Student (Non IEEE Member)	: ₹ 4000
Project Staff /Faculty Members	: ₹ 5500

\*Registration fee includes registration kit, tea and working lunch. No T.A. /D.A. will be paid to the participants.

## **MODES OF PAYMENT\***

### **(a). For Internet Banking User:**

Bank Name/ Branch : Vijaya Bank / MNNIT Allahabad

IFSC Code : VIJB0007184

Account Name : CADIT- 2017

Account Number : **718400301000268**

### **(b). For Non-internet Banking User:**

Demand Draft in favour of 'CADIT- 2017' payable at Allahabad.

## **REGISTRATION PROCEDURE**

- Only online registration is acceptable.

For registration visit <https://ieeemnnit.org/activities/wrkshp/cadit2017/>

- Firstly participants deposit the registration fee.
- Documents to be ready to upload at the time of registration: fee receipt (in .pdf and .jpg format), I-CARD (in .jpg format).
- If payment is done by offline mode (i.e. Demand Draft). Upload scan copy of DD at the time of registration and carry original DD at the time of physical registration.

The seats are limited and selection will be made on the basis of 'first come first serve'.

## **FOODING AND LODGING**

The institute offers accommodation on sharing basis and dining facilities in Executive Development Centre (if available)/Hostel Guest Room on nominal charges.

## **PROPOSED SPEAKERS:**

Prof. Sudarshan Tiwari, NIT Raipur  
Prof. Rajeev Tripathi, MNNIT Allahabad  
Prof. S. K. Koul, IIT Delhi  
Prof. S. S. Pathak, IIT Kharagpur  
Prof. S.P. Singh, IIT BHU  
Dr. N. P. Pathak, IIT Roorkee  
Dr. Manav Bhatanagar, IIT Delhi  
Dr. Karun Rawat, IIT Roorkee  
Dr. Meenakshi Rawat, IIT Roorkee  
Prof. L.M. Joshi, CEERI Pilani

Prof. Shekhar Verma, IIIT Allahabad  
Prof. M. M. Gore, MNNIT Allahabad  
Prof. Neeraj Tyagi, MNNIT Allahabad  
Dr. Mayank Pandey, MNNIT Allahabad  
Dr. Rajat Singh, IIIT Allahabad  
Dr. Neetesh Purohit, IIIT Allahabad  
Mr. Anand Mishra, BSNL  
Mr. Pranav Tyagi, Eigen Technologies  
Mr. Puneet Anand, ANSYS Systems

## **ORGANIZING COMMITTEE**

### **PATRON**

Prof. Rajeev Tripathi  
Director, MNNIT Allahabad

### **CHAIRMAN**

Prof. S. Tiwari  
MNNIT Allahabad

### **WORKSHOP COORDINATOR**

Dr. V. S. Tripathi,  
Associate Professor, ECED, MNNIT Allahabad  
E-mail id: vst@mnnit.ac.in

### **ORGANIZING SECRETARY**

Dr. Arun Prakash,  
Assistant Professor, ECED, MNNIT Allahabad  
E-mail id: arun@mnnit.ac.in

## **STUDENT COORDINATORS**

Mr. Gaurav Upadhyay (+91-9458022975)

Mr. Prashant Ranjan (+91-9415898866)

Mr. Nand Kishore (+91-8853038570)

Mr. Vivek Rajpoot (+91-9412305274)

Mr. Raghavendra Pal (+91-7571881947)

Mr. Vikrant Varshney (+91-9458454547)

**E-mail id:** cadit.2k17@gmail.com

## **IMPORTANT DATES**

Last date of receipt of registration form : 12<sup>th</sup> Sep, 2017

Intimation of confirmation by email : 17<sup>th</sup> Sep, 2017

## **ABOUT ALLAHABAD CITY**

The city of Allahabad (also known as Kumbh Nagri Prayag) is among the largest cities of Uttar Pradesh and situated at the confluence of three sacred rivers-Ganga, Yamuna and the invisible Saraswati. This city enjoys a glory of its own in the religious, cultural, education and political history. Its splendor has attracted throughout the ages, not only the common people but also great monarchs, religious leaders, philosophers and scholars. Allahabad has number of tourist places of cultural and historical importance like Sangam, Bhardwaj Asharam, Fort, Alfred Park, Anand Bhawan, Museum etc. It is well connected with the major cities of India via Road, Rail and Air.

## **MNNIT ALLAHABAD**

Motilal Nehru National Institute of Technology (MNNIT) Allahabad is an Institute with total commitment to quality and excellence in academic pursuits. It is among one of the leading Institutes in India. It was established in the year 1961 as a joint enterprise of Govt. of India and Govt. of Uttar Pradesh in accordance with the scheme of establishment of Regional Engineering College. On June 26, 2002 Motilal Nehru Regional Engineering College was transformed into National Institute of Technology and Deemed University fully funded by Govt. of India. With the enact-ment of National Institutes of Technology Act-2007 (29 of 2007), the Institute has granted the status of institution of national importance w.e.f. August 15, 2007. It offers B.Tech., M.Tech., Ph.D., MCA, M.Sc., and MBA degrees in various disciplines of Engineering, Technology, Science, Humanity and Management. MNNIT campus is situated on Allahabad-Lucknow highway. It is about 8 km from Allahabad railway junction, 7 km from city bus terminal and 12 km from airport.

## **ELECTRONICS AND COMMUNICATION ENGINEERING DEPARTMENT**

The Electronics and Communication Engineering De-partment offers one B. Tech. programme in Electronics and Communication Engineering and three M. Tech. programmes with specialization in Communication Systems, Digital System, Microelectronics and VLSI Design. The Department is actively involved in research in different core areas leading to Ph. D. degree. Besides this, the department is also recognized as a QIP center for M. Tech. and Ph. D. programmes by Govt. of India. The Department has highly qualified and competent faculty members in the areas of Data Communication and Networking, Wireless and Mobile Communication, Antenna Design and MIMO Systems, High Speed Networks, Optical

communication Networks, Signal Processing, Analog and Digital Circuit Design, Microelectronic Devices, VLSI Design, Microcontroller and Embedded Systems.

