TEQIP-III Sponsored

Online Faculty Development Program on

Internet of Things: Applications in Emerging Technology

September 24- 28, 2020

Jointly Organized by

Department of Electronics & Communication Engineering Madan Mohan Malaviya University of Technology, Gorakhpur (U.P)

&

Department of Electronics Engineering, Sardar Vallabhbhai Patel National Institute of Technology, Surat, Gujrat

ABOUT THE FDP

Due to rapid advancements in sensing, mobile computing and server technologies lifestyle has completely changed. The Internet of Things (IoT) is the collection of embedded devices wherein sensors are enabled with different communication means. Although it's just beginning, by 2025, the estimated number of connected devices should reach 100 billion. IoT offers advanced control and monitoring services which improve the efficiency of existing methods. Therefore, it is essential to create awareness, educate and train the research scholars as well as faculty members to the amazing world of IoT. With this aim, IoT and its applications in emerging technology is covered in this FDP and the objectives of the FDP are:

COURSE CONTENT

The Course provides in-depth coverage on possibly few of the following areas:

- Overview of IoT, Various IoT Platforms and their Architectures
- Challenges and Drivers in IOT
- System level design and devise management
- IoT in context to industry 4.0
- Microsoft Point of View – IoT & data analytics
- An Overview of Machine Learning in IoT
- Detailed solution approach for IoT for connected farming
- Emergence of IoT as a critical business enabler for industries and various business domains
- IoT Applications and related future technologies
- IoT and its application in agriculture and health sector

The resource persons for the FDP shall be the faculty members & eminent speakers from the Industries & NITs.

Organizing Committee

Patron

Prof. J. P. Pandey
Hon'ble Vice Chancellor
MMMUT Gorakhpur, India

Chairman

Prof. R. K. Chauhan
Head, Electronics & Communication
Engineering MMMUT Gorakhpur, India

Coordinators

Dr. Rajan Mishra & Dr. Brijesh Mishra
Assistant Professors, ECED
MMMUT Gorakhpur, India

Co-Coordinator

Dr. A. D. Darji
HOD, Electronics Engg. Dept., SVNIT, Surat

List of Speakers

Dr. Jitendra Mohan, Sr. Vice President at Coforge Limited

Dr. Eswaran Narasimhan, NIIT University

Mr. Satya Shukla, Specialist – Data & AI, Microsoft India

Dr. A. D. Darji, HOD, Electronics Engg. Dept., SVNIT, Surat

Dr. Shashwat Pathak, Certified Trainer, IASC Sector Skill Council, GoI Managing Director, Incubation Center, IIT Patna

Dr. S. K. Soni, Professor, ECED, MMMUT, Gorakhpur

Dr. Brijesh Kumar, Professor, ECED, MMMUT, Gorakhpur

Dr. **Rakesh Kumar,** Professor**,** CSED, MMMUT, Gorakhpur

COURSE DURATION

One Week (September 24 - 28, 2020)

ELIGIBILITY CRITERIA

The program targets Faculty members, Engineers, PG students and Research Scholars. Limited to 150 participants on first come first served basis.

REGISTRATION & ADDRESS FOR COMMUNICATION

The applicants are requested to get themselves registered through the following link:
https://docs.google.com/forms/d/e/1FAIpQLSeeG1uNd2lWr7ePKL6uvzHEGsmpADjGP0IsI06jgyKLVEwb-w/viewform?usp=sf_link

IMPORTANT DATES

Last Date to Apply: September 23, 2020

Participation Certificate

Certificate of participation will be issued to all the participants only after successful completion of the course

For any further query, you may contact:

Dr. Rajan Mishra & Dr. Brijesh Mishra
Assistant Professors, ECED & Coordinators
rmece@mmmut.ac.in, bmec@mmmut.ac.in

Department of Electronics & Communication Engineering
Madan Mohan Malaviya University of Technology, Gorakhpur-273010, India

Contact: +91- 9235500560, 7703004534

ABOUT MMMUT

Madan Mohan Malaviya University of Technology, Gorakhpur has been established in the year 2013 by the Government of Uttar Pradesh in the form of a non-affiliating technical University after reconstituting the Madan Mohan Malaviya Engineering College, Gorakhpur which was established in 1962. The University offers seven undergraduate programs in the disciplines of Civil, Chemical, Electrical, Mechanical, Electronics &Communication Engineering, Computer Science & Engineering and Information Technology along with twelve M.Tech. programs in various specializations and also provide facilities for the Doctoral programs in all the academic departments.

ABOUT ECED, MMMUT

The Department of Electronics & Communication Engineering was established in the year 1973 with an intake of 20 and has been gradually increased to 75 from the academic session 2000-2001 and 120 from the academic session 2015-2016. The Department has made all round progress in the last four decades because of firm determination and continuous efforts made by all the faculty members and staff of the department.

The Department offers full time M.Tech. in "Digital Systems" and "Communication Engineering" from the academic session 2003-2004 and 2012-2013 respectively with an intake of 18 students in each specialization. The Department also offers regular Ph.D. program through QIP & TEQIP/University schemes.

ABOUT SVNIT

The Institute was initially established as Sardar Vallabhbhai Regional College of Engineering & Technology in 1961 and was upgraded as a National Institute of Technology with the status of "Deemed to be an Institute" in 2002 and became Sardar Vallabhbhai National Institute of Technology (SVNIT). SVNIT at present is one of the prestigious Engineering institutions of the country and has contributed many outstanding engineers in India and abroad. It is running seven undergraduate and seventeen postgraduate programmes and Ph.D. programme in all disciplines of Engineering and applied sciences. Special attention is given to interdisciplinary research. SVNIT has an excellent placement record with several top ranked companies visiting the campus every year.