



**MAHATMA GANDHI  
INSTITUTE OF TECHNOLOGY (A)**

Kokapet(Village), Gandipet, Hyderabad, Telangana - 500075. [www.mgit.ac.in](http://www.mgit.ac.in)



MOTIVATE  
INNOVATE  
EMPOWER

**25**  
YEARS

## DEPARTMENT OF ELECTRONICS & COMMUNICATION ENGINEERING

Organizing

Three Day Online Faculty Development Programme

on

## RECENT TRENDS IN WIRELESS COMMUNICATIONS

20<sup>th</sup> – 22<sup>nd</sup> October 2022

No Registration Fee

Registration Link: <https://forms.gle/R47S1eVYheWjMWpx9>

## **ABOUT THE INSTITUTE**

Mahatma Gandhi Institute of Technology is one of the premier Engineering Colleges in the self-financing category in the state of Telangana. MGIT is affiliated to Jawaharlal Nehru Technological University, Hyderabad. The institute has received accreditation for six UG programs, three times from National Board of Accreditation, New Delhi. The Institute is also accredited by NAAC with 'A' grade. Starting from academic year 2021-2022. MGIT is conferred with Autonomous status for 10 years by UGC, New Delhi. The institute offers instruction in eleven Undergraduate Programs: Computer Science & Engineering, Information Technology, Electrical & Electronics Engineering, Electronics & Communication Engineering, Mechatronics, Civil Engineering, Mechanical Engineering and Metallurgical & Materials Engineering and also in emerging technological areas like Computer Science and Business System, Computer Science and Engineering (Artificial Intelligence and Machine Learning) and Computer Science and Engineering (Data Science) and seven PG programs. The institute has received MHRD's NIRF-2022 Ranking in the rank band: 251-300.

## **ABOUT THE DEPARTMENT**

The department of Electronics & Communication Engineering was started in the year 2000 with a vision to mould competent Electronics and Communication engineers with sound theoretical and practical knowledge, working for the betterment of Humankind. The department has excellent infrastructure facilities, laboratories and the Department has forty well experienced & qualified faculty supported by dedicated technical staff. The Department has R&D and project lab. The department has successfully completed AICTE sanctioned research project (RPS) & FDP. The department of Electronics & Communication Engineering regularly organizes National level technical events and seminars.

## **ABOUT THE ONLINE FDP**

As the field of Wireless Communications has an enormous growth in the research, this Online FDP is aimed to provide the student, research scholars & teaching community to explore latest trends in 4G & 5G Wireless communications. The Resource Person of this online FDP is from IIT, Hyderabad.

## **TOPICS COVERED**

<b>DATE</b>	<b>TIME</b>	<b>TOPIC</b>
<b>20<sup>th</sup> Oct 2022 (Thursday)</b>	<b>2.00 PM to 3.30 PM</b>	<b>OMA vs NOMA (An Information Theoretic Perspective)</b>
<b>21<sup>st</sup> Oct 2022 (Friday)</b>	<b>2.00 PM to 3.30 PM</b>	<b>2-User Pairing Resource Allocation Strategies &amp; N-User Clustering Resource Allocation Strategies</b>
<b>22<sup>nd</sup> Oct 2022 (Saturday)</b>	<b>2.00 PM to 3.30 PM</b>	<b>RSMA Bridging NOMA &amp; SDMA</b>

## **ADVISORS**

**Sri D. Praveen Reddy** , Chairman, CBES  
**Sri J. Pratap Reddy**, Secretary & Correspondent, CBES

## **CHAIRMAN**

**Prof. G. Chandra Mohan Reddy**, Principal, MGIT

## **VICE-CHAIRMAN**

**Prof. K. Sudhakar Reddy**, Vice-Principal

## **CONVENORS**

**Dr. S. P. Singh**, Professor & Head, ECE  
**Dr. D. Venkat Reddy**, Professor, ECE  
**Dr. T. D. Bhatt**, Professor, ECE  
**Dr. Ch. Raja**, Associate Professor, ECE  
**Dr. S. Srinivasa Rao**, Associate Professor, ECE

## **COORDINATORS**

**Mr. K. Raghu**, Asst. Professor, ECE, Contact No: 9490438720  
**Mr. D.V.S. Nagendra Kumar**, Asst. Professor, ECE, Contact No: 9849953764  
**Ms. G. Srilatha**, Asst. Professor, ECE, Contact No: 9000236182  
**Mr. B. Satyanarayana**, Technician G-II, ECE.