

# MADANAPALLE INSTITUTE OF TECHNOLOGY & SCIENCE

An Autonomous Institution

Approved by AICTE, New Delhi & Affiliated to JNTUA, Anantapur  
Accredited by NBA, Recognized under section 2(f) & 12(B) of the UGC act 1956  
World Bank funded Institute, An ISO 9001-2008 Certified Institution  
First Recognized Research Centre under JNTUA, Recognized as SIRO by DSIR

## Report on “ Evolution of Wireless Communication”

Organised by Dept of ECE, 30<sup>th</sup>, June 2020

**Submitted by: Dr. Shanidul Hoque and Dr. Sarwesh P**  
**Sr. Assistant Professor, Dept. of ECE**

ECE Department of Madanapalle Institute of Technology & Science, conducted a webinar on “**Evolution of Wireless Communication**” on 30-06-2020. The Seminar was started by 10.30am. The resource person was: DR.WASIM ARIF is presently associated with the National Institute of Technology Silchar, India as an Assistant Professor in the dept. of Electronics and Communication Engineering. He obtained his Master of Engineering in Telecommunication Engineering from Jadavpur University, India and received PhD from NIT Silchar, India. His research focuses on Wireless Communication Technology mostly on Cognitive Radio Technology, Compressed Sensing and Next Generation Wireless Technology for medical applications. He has contributed some notable works in the domain of wireless communication and published in some reputed journals of IEEE, Springer, Elsevier, etc. He has more than 50 publications in peer-reviewed international journals, conferences and book chapters, and has filed 2 patents. He is working on 5 research projects sponsored by various funding agencies of Govt. of India. He also coordinated in establishing the startup centre and innovation lab at NIT Silchar.

This webinar addressed basic concepts of wireless communication that includes 1G to 4G, fading channels, 5G and its future, cognitive radio. The webinar was designed to enable one to ask questions and verify the wireless technologies through representative diagrams and basic wireless models. Main topics of the event can be sorted as given below:

- ❖ **Wireless Technology** : Cellular radio, basic parameters, cell structure handoff, etc.
- ❖ **Cognitive Radio**: Uses and its operations
- ❖ **5G** : Vision of 5G Technology

Finally at 12:00pm, the seminar is ended with the vote of thanks which is addressed by Head of the Department, ECE, MITS, Madanapalle, India.