



**MADANAPALLE INSTITUTE OF TECHNOLOGY & SCIENCE
(UCG-AUTONOMOUS)**



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Department of Electronics & Communication Engineering

Webinar Report

The 5G Revolution: Use Case & Enabling Technology Walkthrough

01.07.2020

Report Submitted by: Dr. Veeraiyah, Professor, Department of Electronics and Communication Engineering

A webinar on “**The 5G Revolution: Use Case & Enabling Technology Walkthrough**” was organized by the Department of Electronics and communication Engineering, Madanapalle Institute of Technology and Science, Madanapalle on **01-07-2020**, 11:00 am onwards. The webinar was held on MS Teams platform. The number of participants was around 300 across students and Faculties of various colleges and universities.

The resource person was **Dr. Shankar Duraikannan**, who received his B.E degree in Electronics and Communication Engineering from University of Madras, India. He received his M.Tech degree in Laser and Electro Optical Engineering from Anna University, India and his PhD in Communication and Networks Engineering from University Putra Malaysia, Malaysia. He has comprehensive twenty years of teaching and research experience and held diverse academic positions in renowned institution like VIT University, India, Garyounis University, Libya, and KIST, Rwanda. Currently he works as Research Coordinator and Senior Lecturer in School of Engineering, Asia Pacific University, Malaysia and His research are focused to mobile communication, radio over fibers, optical networks and millimeter wave wireless networks.

The webinar started as per schedule and **Dr. S. Rajasekaran**, HOD of ECE Dept delivered the welcome and inaugural address emphasizing the growing 5G technology throughout the world, and he expressed deeper hope that the webinar would be more helpful for students and Faculties during the COVID-19 pandemic.

This webinar illustrated the potential of 5G to revolutionize industry and society to resurrect the economic and social stability of the world. It also explained the enabling technologies, end-to-end architecture and use cases of 5G that pave way for the revolution specifically the Fourth Industrial Revolution IR 4.0.

With **Dr Veeraiyah**, Professor of ECE Dept delivering the vote of thanks, the webinar was concluded by 12:30pm, on the same day.

The poster for the webinar is shown in **Figure 1**, the screenshot of the webinar presentation is shown in **Figure 2**, while the questions asked by the participants during Q&A is shown in **Annexure1**.



Figure 1: Poster for the webinar

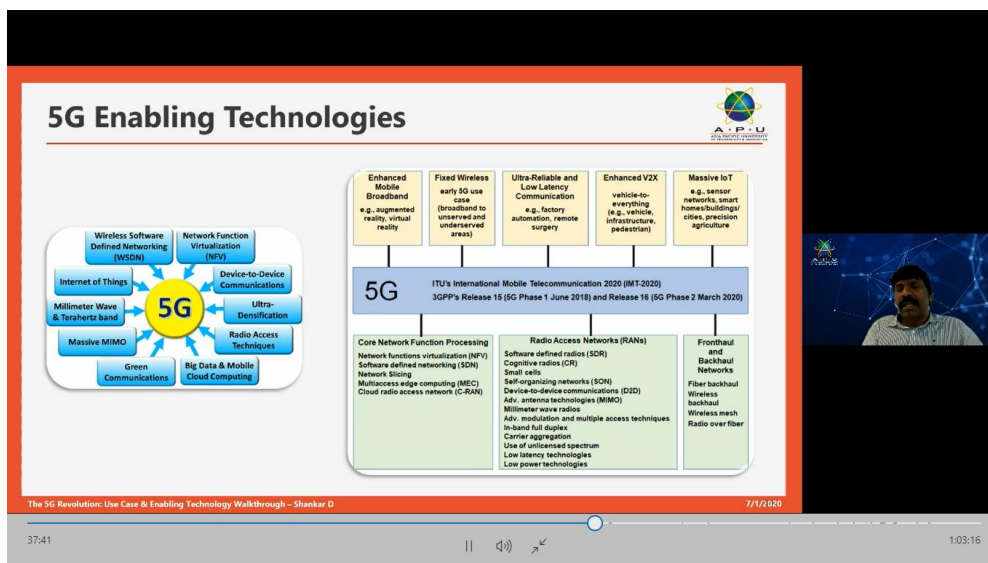


Figure 2: Screenshot of the webinar presentation

ANNEXURE 1 (Questions asked by the participants during Q & A)

1. Sir even this 5G has more uses there will many issues on radiation and other things?
2. When this will be implemented in India?
3. Sir but they say 5G is hazardous to environment since it radiates huge radiations which are harmful for animals and birds?
4. How can billions of 4G smartphone device will intake the revolution of 5G network in upcoming years?
5. What impact will 5G have on backhaul networks?
6. Hello Sir, I'm Malavika. Will the 5G backbone be physically and virtually separate from the 4G backbone?