

# 5G Technology: The Future of Communication

**Date:** January 29<sup>th</sup>, 2021

**Speaker:** Dr. M. G. Tiary

On January 29, 2021, the Birsa Institute of Technology (BIT), Sindri hosted an event called “5G Technology: The Future of Communication”. The event featured Prof. M.G. Tiary, a distinguished professor from the Electronics and Communications Department of BIT Sindri, as the speaker. The talk aimed to provide insights on the latest developments in 5G technology and its potential impact on society.

The event was attended by a diverse audience including students, researchers, industry professionals, and college professors. Prof. Tiary gave an overview of 5G technology, explaining its faster speeds, lower latency, and greater capacity compared to 4G. He also discussed various use cases for 5G such as AR, VR, and IoT.

Prof. Tiary highlighted the challenges and opportunities posed by 5G technology, stressing the importance of security, reliability, and accessibility. He also emphasized the need for sustainable use of 5G to minimize its environmental impact.

Looking ahead, Prof. Tiary predicted that 5G will revolutionize communication, work, and life. He expressed hope that 5G will be used to bridge the digital divide and improve lives worldwide.

The event concluded with a Q&A session where attendees had the opportunity to ask Prof. Tiary specific questions about 5G. Overall, the event was informative and insightful, leaving a lasting impact on attendees and empowering them to understand and contribute to the development of 5G technology.

The rollout of 5G is happening incredibly fast. It has been adopted more quickly than any other generation of mobile communications before it — and by 2025, it will be the dominant connectivity platform<sup>1</sup>. Industry and enterprises are set to take immediate advantage. The good news is that 5G enables several use cases that can help increase global sustainability by enabling immersive virtual collaboration, increasing economic resilience and bridging the digital divide.

The speed, capacity and connectivity of 5G will provide many opportunities to protect and preserve the environment. 5G technology with IoT will be able to increase energy efficiency, reduce greenhouse gas emissions and enable more use of renewable energy.

In conclusion, the technical talk on “5G Technology: The Future of Communication” proved to be an enriching and insightful event for the audience. Prof Tiary expertise and guidance left a lasting impact on attendees, empowering them to understand the potential of 5G technology and to contribute to its development. Overall, 5G technology has the potential to revolutionize the way we live and work. It is an exciting time to be involved in the development of this technology.

