

Review on 5G Wireless Technology

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Abstract: *The fifth generation of wireless technology (5G) is poised to revolutionize the way we connect and interact with the world around us. This paper provides a comprehensive review of 5G technology, exploring its key features, underlying principles, enabling technologies, and potential challenges. We delve into the evolution of wireless technology from 1G to 5G, highlighting the advancements and limitations of each generation. We also examine the core architecture of 5G, including its three main components: the 5G core network, 5G access network, and user devices. Furthermore, we discuss the various technologies that enable 5G, such as massive MIMO, beamforming, millimeter wave, and network slicing. Finally, we touch upon the potential benefits and challenges of 5G implementation, emphasizing its transformative impact on various industries and aspects of our lives.*

Keywords: 5G, wireless technology, mobile communication, network architecture, enabling technologies, challenges, benefits

