

An Analysis of 5G Wireless Networks

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Abstract: *Every major telecom in the globe is attempting to make it even faster because everyone loves speed and, more specifically, fast internet. More and more devices, including smartphones, watches, homes, and cars, need reliable internet connectivity. The fifth generation of technology is here to help us survive in a world where speed is changing every second and where we demand more and more technology. The 5G cellular network architecture and some of the key new technologies that can help the architecture become more human and better meet user demands are primarily the focus of this study. This essay provides information on 5G, with a particular emphasis on huge multiple input multiple output technologies and device-to-device connectivity (D2D). Over the past ten years, wireless networks and mobile communication have made incredible strides. The growth of 3G and 4G wireless networks has been aided by the continuously rising demand for resources, particularly for multimedia data with high quality of service (QoS) needs. However, technological advancements alone cannot provide the right level of enjoyment. Therefore, the concept of 5G networks, which stand for networks beyond 4G, has become urgently necessary. Due to the multiple difficulties that 4G networks faced, including the requirement for larger data rates and capacities, cheaper costs, lower end-to-end latency, and extensive inter device communication, 5G networks have been developed.*

Keywords: Wireless Networks

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