



# 5G WIRELESS NETWORK



5G wireless Network or 5th Generation Wireless system is an upgrade form the current 4G network. 5G will come into effect in 2020 and currently is in test phase. With the upcoming 5G infrastructure will be new demands of current data centers and fiber optic networks.



## The Need for Speed

The ever-changing telecom industry will soon, probably in 2020, be introducing the 5G wireless network. The increasing demand of internet use due to the internet of things is among many drivers for the need for the 5G network. Also, there has been an increased usage of internet over the last several years caused by the increased consumption of online videos, television and virtual reality which demand large bandwidth usage. To compensate for the increase in bandwidth usage and for



the development of new technologies, networks across the world must improve their current infrastructures so that they are able to make a seamless transition into the 5G realm.

## Benefits of 5G Wireless Network

5G will come with several advantages. One is that it will be faster than its predecessors, 4G and 3G, as it will have speeds of 10 Gbps and above. With the development of new technology in the WDM field of fiber optics, customers can expect to receive the majority of this 10 Gbps connection



without having to worry about slow internet caused by bottlenecking. It will have bandwidth capabilities 1000 times higher than 4G, which means that families will no longer have to worry about the internet shutting down while having several devices at home

streaming at once. The 5G Network is expected to have 100 percent coverage and 99.99 percent