**5G WIRELESS TECHNOLOGY**

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**Abstract**

Around the world today, people rely on Technology to avail themselves of numerous services. From a common man to a successful Entrepreneur are now adopting Mobile Network to accomplish their needs. Every new generation of wireless networks delivers faster speeds and more functionality to our smartphones. 5G is the fifth generation of wireless data networks which will redefine the Network, establishing new global Wireless Standards. A new era of this technology is built with abilities-High bandwidth, Low latency, and Dense connections. It is predominant to talk about the architecture of 5G to perceive its functionality. 5G Mobile Network is likely to be based on Open Wireless Architecture which will possess new features from Network to the Application layer. Besides the Open Transport Protocol is designed to assure efficient Data usage. Collectively it is comprehensible that 5G Network will assure Advanced communication. The 5G Hardware uses Ultra Wide Band Networks with higher bandwidth at lower energy levels, whereas the Software will incorporate a unified standard of different wireless networks. This design of the Network will comprise High resolution, Greater speed, Giant storage, Less traffic, and much more. 5G Wireless Technology will certainly interconnect the entire world without limits and provide uninterrupted access to Information, Communication, and Entertainment that will open a new dimension to our lives and will change our lifestyle meaningfully. In this paper, I attempt to elaborate in-depth about 5G wireless technology.

**Keywords**

5G Evolution, Open Wireless Architecture, Open Transport Protocol, 5G Hardware, 5G Software