Abstract

The convergence of wireless mobile technologies and Internet allows compelling possibilities for future applications due to the new advancement, constantly growing and personalized services in the mobile communication. 3G (third generation) and Wi-Fi are major wireless technologies that are used by most people today. The two most important phenomena impacting telecommunications over the past decade have been explosive parallel growth of both the internet and mobile telephone services. The internet brought the benefits of data communications to the masses with email, the web, and ecommerce; while mobile service has enabled "follow-me anywhere/always on" telephony. The Internet helped accelerate the trend from voice centric to data-centric networking. The scope of this research is to carry out extensive study with respect to two wireless technologies that are likely to play important roles: Third Generation mobile (3G) wireless mobile network and Wireless Local Area Networks (Wi-Fi). The performance will be evaluated in different operating environment with the use of various analytical techniques. Focus will be given on 3G wireless mobile network as embodied by the IMT-2000 family of standards and Wireless LAN technology embodied by the Wi-Fi or
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802.11b standard which is the most popular and widely deployed of the Wireless LAN technologies.

References

2. Google: https://www.google.co.in (explored in October-November, 2014)
vol. 8 (3), page. 209-221.

**Index Terms**

Computer Science  Wireless

**Keywords**
Wireless Mobile Network, 3G, Wi-Fi, Wireless Network, WLAN, UMTS, etc.