Abstract

This paper includes the proper discussion of why the 3G was not good enough for the wireless communication and why then 4G was evolved. There are many disadvantages of 3G due to which 4G came. Some of them are they require nearby base stations and they are very expensive, the cost of upgradation of cellular infrastructures are very costly which is a very big drawback for 3G, where 4G is really good for business purpose. After that the idea of 5G was proposed which provides complete wireless communication with almost no limitation which makes it the most powerful source of communication till the date.
A Review of 4G and 5G in Context of Future of Wireless Communication

- 2G-5G Networks: Evolution of Technologies, standards, and Development, By Shakil Akhtar [Professor, Information Technology Department Clayton States University]
- Massive MIMO in the UL/DL of cellular Networks: By Hoydis J. Bell Labs, Alcatel–Lucent, Stuttgart, Germany; Ten Brink, S. Debbah. m

Index Terms

Computer Science

Wireless

Keywords

SDR technology VOIP IPv6 OFDM MIMO TDMA OFDM UWB GSM.