

**TECHNICAL SEMINAR  
ON  
WI-MAX TECHNOLOGY**

**ABSTRACT:**

WiMax standard combines the two, delivering high speed broadband internet access over a wireless connection. The main problems with broadband access are that it is pretty expensive and it doesn't reach all areas. The main problem with Wifi access is that hot spots are very small, so coverage is sparse. Here comes the technology of Wi-MAX, acronym for Worldwide interoperability for Microwave Access and goes by and its goes by the IEEE name 802.16. This technology would provide high speed of broadband service, wireless access, and most importantly wide coverage area unlike the Wi-Fi. Because it can be used over relatively long distances, it is an effective last mile solution for delivering broadband to the home, and for creating wireless "hot spots" in places like airports, colleges campuses, and small communities. The so-called "last mile" of broadband is the most expensive and most difficult for broadband providers and Wi-MAX providers an easy solution. Although it is a wireless technology unlike some other wireless technologies.

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