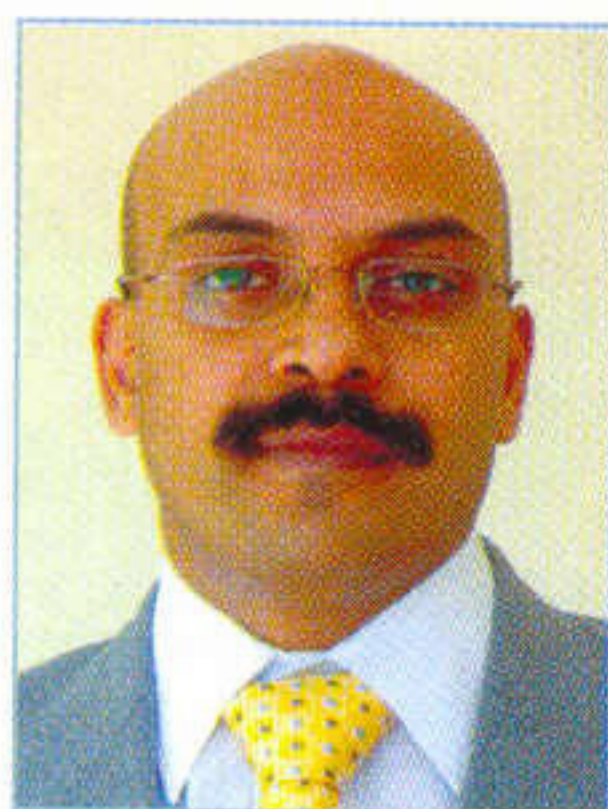


# ➤ New Trends In Telecom



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The next generation wireless network—Universal Mobile Telecommunication System aims to create a universally accessible network. It supports various data rates depending on the mobility

**G**SM represents the majority of the world's wireless market and is the system of choice in many countries. We see a future global mass volume services market being driven by open standards and common software platforms. The opening of 3G in the near future will open up a whole new world for application and service developers. A consumer will ultimately decide what the needs are and how ultimately the technologies will be used.

The upcoming technology called Enhanced Data rates for GSM Evolution (EDGE) is poised to increase network speeds, especially when used in conjunction with GPRS. It allows high rates of data transfer of up to 48 kbps. A GPRS-EDGE network can offer a maximum of 384 kbps. EDGE requires an equipment upgrade in existing networks to support EDGE transceivers.

The next generation wireless network is called Universal Mobile Telecommunication System (UMTS). The aim is to create a universally accessible network. A user from the US should be able to use his mobile device in Europe with no hardware or software changes. In addition to universal access, UMTS gives the GSM/GPRS network a chance to catch up with other developments in

telecommunications technology. It supports various data rates depending on the mobility of the user. A stationary user can get up to 2 Mbps while a fast moving user can get 384 Kbps.

The latest is that the Enterprise-class VoIP and voice over Net (VoN) are happening. Internet has been the key enabler and catalyst for these technology. Telecom companies across the world are transporting voice over IP networks.

Broadband penetration will continue to grow in the coming days - fueled by technology developments that drive demand for bandwidth. Wireless technologies will exhibit a similar pattern, with Wi-Fi hotspots and Wi-MAX making more headlines.

Voice will continue to be the primary source of revenues and profits - on average accounting for more than 80 percent of total revenue. The mobile phone manufacturers will focus on marketing their superior capabilities and investing in full-featured phones. We see multiple modes of communication as the emerging reality. In future, the technologies that support these trends will be in great demand and therefore this is important for the telecom companies to chart out a clear map that would integrate new technologies to their existing offerings. ←

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