

Everything to Know About New Telecom Technologies that Will Show Growth in 2018

Introduction

In 2018, newer technologies like LTE, LTE-A, LTE-A Pro, IoT, 5G and others are expected to make wireless internet commercially more viable in 2018. The smartphone riding on new innovation will consolidate its position as the primary access to digital services and content, and live streaming and OTT video content are likely to gain popularity. Here are some highlights from Deloitte's TMT (Technology, Media and Telecommunications) predictions 2018 India edition...



Realizing the potential of IoT



IoT-driven point solutions will be adopted to solve a specific business issue. IoT-driven enterprise solutions would help organizations redefine their business models and provide innovative services for their customers; investments will not only be assessed on KPIs, but also will involve new product launches, new supply chains and a new operating model that enables organizations to monetize their services across value chains, leveraging IoT.

Analytics beyond the back office



Enterprises will combine external perspectives, social inputs (surveys, social media comments, response to a feedback questionnaire) to the internal data sources to improve customer service. Device data will be integrated faster and on-demand to answer immediate field needs; information dissemination for decision making will be faster and simpler using digital delivery; paying for results and provisioning on demand is the new normal (on cloud).

Enabling next-gen voice services with VoLTE

Deloitte predicts that more than 60% of all broadband subscribers would be utilizing Voice over LTE (VoLTE) technology for voice services by 2023 surpassing 5 billion subscribers globally. IoT appliances can be enhanced with VoLTE improving the productivity and efficiency of applications and especially effectiveness in emergency situations, one example is a smartwatch with feature to automatically dial an emergency contact in case of abnormal heart rate. Wi-Fi would be essential part of service provider network strategy to enhance access and extend coverage. With VoLTE supporting VoWi-Fi (Wi-Fi calling), it would be an opportunity to monetize hot-spots especially relevant in the Asia-Pacific region which would constitute 45% of global hotspots.



Wireless home internet may get bigger



Due to challenges in deployment of fixed broadband networks, current rural internet penetration stands at ~ 17%. In future, demand for fixed broadband would be limited to consumers with higher bandwidth/QoS requirements, with majority of home internet requirements catered through wireless network.

Augmented Reality (AR): On the cusp of reality



The Indian market is witnessing the emergence of AR service providers helping enterprises embrace AR as part of their digital experience strategy. India's \$150 billion technology services industry has the potential to play a key role in increasing the adoption of AR for global businesses by building a robust supply of talent, business models, and frameworks to accelerate deployments. The public sector also has the opportunity to leverage the product and talent ecosystem in the country and adopt AR for improving the quality of experience in areas such as Education and Healthcare.

When one door closes, another opens; but we often look so long and so regretfully upon the closed door that we do not see the one which has opened for us.

— Alexander Graham Bell

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