**Associating the evolution of Mobile Communication Technologies and the Interactions of Social Networks**

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**Abstract:** The very first interaction among human beings was gestures. In the course of time Man invented sounds, languages, communication etc. Telecommunication was the greatest one among his innovation. Man was transformed from telephone to cellular technology in the year of 1973. Now a days it had become fashion connecting with unknown people through social networks. As technology grows our world shrinks every minute. This paper aims to state the evolution of mobile technology and the use of social networks in terms of interaction and also analyse the pros and cons of social interactions.

**Keywords:** Social networks, Mobile Technology

**1 Introduction**

Communication technoligies have heartened the information flow and there is no boundary with the use of mobile communication (Humphreys 2010). Telecommunication needed some fixed place for the telephone and it was some what very costly and was not as comfortable to man. The word mobile means capable of moved or being moved. That is man can communicate with anyone while he is moving towards any place. The technology changed from wire communication to wireless communication. At present, a new trend social media has been evolved among the young society to interact with others that is also unknown people. Here, We have just explained some mobile communication technoloies and the social netwroks.

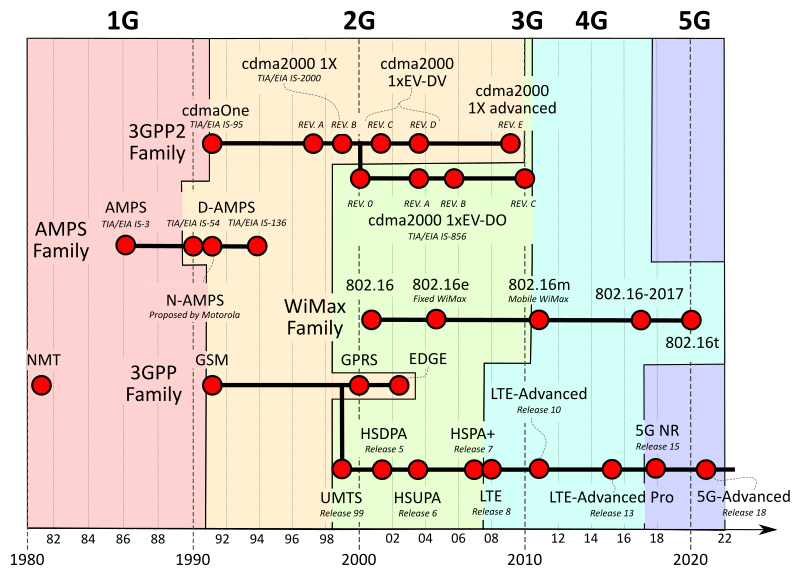
**2 Mobile Communication**

The cell phone is a mechanical development that has changed current urban communities into continuous frameworks that continually screen naturalconditions critical to the activity of the construction (Townsend 2000). There were over 1.15 billion remote versatile supporters across India toward the finish of 2021.

**2.1 History of Mobile communication**

Early cell phone frameworks looked like transmission frameworks, in that strong transmitters were utilized to cover a distance of 20-30 miles from a high pinnacle or roof. The principal cell framework in the U.S. was placed into activity by the Ringer Framework in Chicago, in 1983, as a feature of a fast organization plan. The ideas of recurrence reuse and handoff, as well as various different ideas that shaped the premise of present day cell innovation, were portrayed in the last part of the 1960s, in papers by Frenkiel and Doorman.

**2.2 Mobile Phone Generations**



**Fig. 1.** Cellular Network Generations

**1G Technology**

1G refers to first generation mobile phone technology that used analog telecommunications standard. It was introduced in early 1979.

**2G Technology**

2G refers to second generation mobile phone technology that used with digital encryptions. And also it was better than 1G and enabled the facility of plain text messages called SMS. This second generation launcehd GSM (Global System for Mobile Communications) standards. In this period TDMA was tranformed with CDMA and in 2.5G General Packet Radio Service or GPRS was introduced.

**3G Technology**

3G innovation gives a data move pace of no less than 144 kbit/s. Later 3G deliveries, frequently meant 3.5G and 3.75G, additionally give portable broadband access of a few Mbit/s to cell phones and versatile modems in PCs. CDMA2000 is a group of 3G portable innovation norms for sending voice, information, and flagging information between cell phones and cell locales.

**4G Technology**

4G gives, notwithstanding the typical voice and different administrations of 3G, versatile broadband Web access, for instance to workstations with remote modems, to cell phones, and to other cell phones. Potential and current applications incorporate revised portable web access, IP communication, gaming administrations, top quality versatile television, video conferencing, 3D TV, and distributed computing.

**5G Technology**

5G remote innovation is intended to convey higher multi-Gbps top information speeds, ultra low inertness, greater unwavering quality, gigantic organization limit, expanded accessibility, and a more uniform client experience to additional clients. Better execution and further developed effectiveness engage new client encounters and associates new enterprises.

**3 Mobile technology Consumption**

In a survey (Emily 2015) conducted among 100 people the result shows 60% of people use mobile phones more than 4 hours a day. In 2022 97% of people use their mobile phones more than 8 hours a day. A survey detected that during night time the use of internet is highly surplus. Without mobile phone a single day is not possible for us in this current scenario. So it is necessary to find the reason behind the usage of mobile phone this much important. Social media has coined the term called social interaction. There is a lot of social medias which consumes our time.

**3.1 Mobile Technology Trends**

The expanded reception of cell phones has prompted the noteworthy development of the portable application industry.

* Presently, there are around 5.31 billion one of a kind portable clients around the world, as indicated by GSMA Insight.
* In 2021, clients downloaded 230 billion applications to their cell phones, which is a 63% expansion starting around 2016, as per Statista.
* The income of Android and iOS portable applications came to $133 billion out of 2021, as per BusinessofApps.

Here top 5 mobile technologies are illustrated below.

**1. Artificial Intelligence**

The clearest illustration of computer based intelligence on PDAs is in the voice colleague. Regardless of what family your cell phone is from, assuming you have an associate like Siri or Google Collaborator, there is Man-made reasoning. Voice acknowledgment and its amalgamation are the most clear instances of this innovation.

**2. Augumented Reality and Virtual Reality**

Another stage comes consistently, the cell phone basic client brilliant time has elapsed and presently clears a path for different mediums where the client can be more drawn in and the encounters more vivid.

AR is being utilized in a ton of spaces as of now, for example in the Online business area where customers are more disposed to buy an item after they've examined it with AR innovations or social applications where other than channels, the clients can likewise add AR objects in their streams.

In VR universes, the clients typically have extra gadgets (joysticks, and so on) for communicating with virtual items. Since we are discussing versatile applications, VR isn't that famous and utilized because of the idea of the gadget.

**3. Mobile IoT Apps**

The Web of Things has become standard in numerous areas, from medical services and agribusiness to assembling and transportation, which has prompted the expanded improvement of IoT applications. So, IoT applications overcome any barrier between associated cell phones and individuals.

Applications are the instruments for distant administration of associated gadgets, permitting clients to:

* screen readings of cell phones and sensors
* investigate information, construct diagrams and create reports
* oversee gadgets (design, open/close, turn on/off, trigger notices, from there, the sky is the limit).

**4. Mobile Payments**

Notwithstanding various financial applications, the most generally utilized installment applications incorporate Apple Pay, Google Pay, PayPal, AliPay, WeChatPay and Zelle. These applications engage clients to perform monetary exchanges quicker, more straightforward and from anyplace, adding to the blast in portable business. In 2023, the pattern of creating Web based business applications for portable installments will proceed.

**5. Cloud Based Mobile Applications**

Cloud innovation has developed such a great amount throughout recent years. Distributed storage is developing to become modest as specialist co-ops put resources into more productive cloud framework. Cloud innovation is the foundation of portable application advancement in 2023.

Numerous things we do on applications today influence cloud innovation, such as booking a taxi or requesting food. Cloud has made web facilitating modest, more burden proficient and open. This has provoked the speedy reception of the portable innovation pattern.

**4 Social Interactions by Social Media**

Web-based entertainment began in the mid 2000s. The principal web-based entertainment website to arrive at 1,000,000 month to month dynamic clients was MySpace - it accomplished this achievement around 2004. This is seemingly the start of virtual entertainment as far as we might be concerned. In the intelligent diagram we plot month to month dynamic clients, by stage, starting around 2004.

**4.1 Social Interactions using mobile phones**

Slowly, mobile phone has become one important part of the human life and has eventually replaced the face-to-face communication by introducing social media (Emily 2005). The reception of the cell phone by youngsters has been a worldwide peculiarity lately. The use of such advancements has expanded emphatically over the course of the last ten years and the majority of the majority are enjoyed its use (Huma Ashiq 2013).

Based on a study (Elso beihi 2017) it is observed that face to face communication with friends and family members had bees decreased badly as a result of the technology utilization. People are enjoying their own lonely time occupying themselves with lifeless devices.

**4.2 Origin of social media**

In 1987, the immediate forerunner to the present web appeared when the Public Science Establishment sent off a more hearty, cross country computerized network known as the NSFNET. After 10 years, in 1997, the principal genuine web-based entertainment stage was sent off.

In 2002, LinkedIn was established as a systems administration site for vocation disapproved of experts. By 2020, it had developed to in excess of 675 million clients around the world. It stays the web-based entertainment webpage of decision for work searchers as well as HR administrators looking for qualified up-and-comers.

Two other significant introductions to online entertainment fell after an eruption of beginning achievement. In 2003, Myspace sent off. By 2006, it was the most visited site on earth, prodded by clients' capacity to share new music straightforwardly on their profile pages.

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