NEXT GENERATION MOBILE PHONE

“SUPER PHONE”

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Mobile Phone “Evolution Cycle”

Looking at the history of mobile phone development, the mobile phone revolution runs on a twelve-year (approx.) cycle, evolving in a way synonymous with the changing relationship between man and device.

Motorola’s first generation feature phone appeared in 1995 and instantly became the tool for an entirely new form of communications. Making calls or texting with a mobile phone changed the way people communicate and brought us closer to one another. At that time, the most distinctive feature of the mobile phone was the big external antennae.

Twelve years later in 2007 came the arrival of the iPhone followed by the birth of the Android smartphone in 2008, marking a significant leap from the feature phone to the smartphone. These were the first generation of mobile phones to run on operating systems. And so from a tool for simple communications, mobile phones evolved into assistants providing entertainment, shopping, social networking and more, all of which have now become a necessity in our daily lives.

In the next twelve-year cycle, we can boldly predict that the relationship between mobile phones and human beings will become even closer, evolving towards a synthesis of man with his world. The next generation of mobile phone will be the “SUPER PHONE”, emerging in approximately 2020, and unveiling a new era, connecting physical and virtual realities.

“SUPER PHONE” will be a living organism, like our families and friends, recording our behaviors and habits, and understanding our likes and preferences. This device will be able to understand and interact with humans and the environment around it making our smart and simple life.
“SUPER PHONE” Acquaintance

“SUPER PHONE” will connect the world with to the world of innovative technologies through Virtual Reality. Through ‘Sensor Systems’ Technology and 3-D Rays, the device will be able to capture human behavior.

This device will “Empower” a normal human in following ways --:

1. Acquire The Six Human Senses

   ➢ Through the development of sensors, object recognition technology and 3D scanning, the “SUPER PHONE” will constantly enhance its perception of humans, objects and the environment by creating a virtual reality which mirrors the physical world. In the future, gustatory sensors will be able to differentiate tastes, and auditory sensors integrated with artificial intelligence will be able to identify the source and distance of sounds.

   ➢ More specialized sensors will be developed in future, and the integration or synchronization of the “SUPER PHONE” with these sensors will be a further step toward the virtualization of reality. For instance, sensors for blood sugar and blood pressure levels can help to manage our health. Similarly, monitoring the air quality and geographical positioning can replace our reliance on maps.

2. Creating the “Super human” via the Internet of Things

   ➢ The intelligence of the “SUPER PHONE”, the human brain and their perceptions of the world will be connected. Gradually, this world will become one huge network, connecting man to man, man to object, and object to object, ultimately creating the Internet of Things.

   Evolution of the “six senses”
   Emulating nature to enhance interaction with the world
Through IoTs, human can interact with objects like home devices, vehicles etc. via unified multi-protocol system. For e.g. -: Using ‘Mirror Link’ human can interact with his car through his ‘Smart Phone’.

3. **A symbiotic partnership of man and device**

The “**SUPER PHONE**” will have a more advanced intellect through the constant enhancement of big data, artificial intelligence, contextual intelligence and cloud computing, eventually realizing the symbiotic partnership of man and device. The “**SUPER PHONE**” will develop language and self-learning capabilities, recording changes in people and the environment, to better comprehend the needs of humans.

- Device will gradually evolve from a tool that helps users perform tasks to one that performs tasks for users, even coaching and guiding them.

- For example, when human place a voice command to the wearable device that “I want to lose weight”, it will understand what is required. Through the integration of big data and artificial intelligence, it will instantly give the most suitable and systematic weight-loss solution.

Through “Contextual Intelligence” capability device will be able to manage and record your schedule, understand your habits and give you a more comfortable user experience. These devices can provide reminders, and navigation services such as getting information about your upcoming flight, railway or hotel bookings via SMS.
4. “SUPER PHONE” and humans interaction

- Virtual reality immersion and holography will be the key technologies enabling a natural interaction between man and device.

- The application of VR and AR technology will reinvent the concept of “Seeing Is Believing” by simulating visual, audio, touch and other sensations. With this technology, we can simulate real circumstances without restrictions of time and space.

- We can then imagine teachers and students sitting in a virtual classroom of the future, or doctors and patients communicating remotely and exchanging diagnostic information.

- We can try on clothes and make our purchases in a virtual store.

- With the “SUPER PHONE”, we can achieve all these at any fixed physical location, such as your home or office.
5. **Texting by Thinking**

- **SUPER PHONE** will have an option of texting by thought power alone. This is can be achieved by a combination of eye-tracking technology and a sensor-mounted headset worn by the user.

- The headset contains a brain-machine interface which can detect electrical brain waves and converts them into digital signals, then displays the resulting letters on-screen.

- Some high-end models will be used with glasses or visors featuring displays built into their lenses. This will enable completely hands-free texting, creating a form of virtual telepathy.
“All Things Digital” With ‘5G’

With the continuous advancement of Big Data, digital intelligence and cloud technology, we are entering an era of “All-Things-Digital”. The “SUPER PHONE” will serve a key role in unifying digital and human intelligence, creating the IoT. This will disruptively revolutionize the way humans interact with the world. With the evolvement and adaptation of the “SUPER PHONE”, the physical world will be reconstructed through digitalization.

After the deployment of communications technologies like 2G, 3G, 4G, Bluetooth and Wi-Fi, the next phase would be integrating 5G technologies into a mobile phone, making it a “SUPER PHONE”.

5G will be faster, smarter and less power-hungry than 4G, enabling a slew of new wireless gadgets. 5G will let us have faster smartphones, more smart-home devices and longer-lasting wearable gizmos.

5G will have the potential to offer speeds up to 40 times faster than 4G i.e. fast enough to stream "8K" video in 3-D or download a 3-D movie in about 6 seconds while on 4G, it would take 6 minutes.

5G is all about connecting all the digital devices in the world like --: home electric appliances, automobiles, hospital equipment, stuffs at retails outlets, education materials in schools etc. into one platform and allowing them establish a conversation. All the above devices will be controlled and operated through a mobile phone, called the “SUPER PHONE”.
“SUPER PHONE” Benefits

“SUPER PHONE” will be a great “Blessing” to human kind and will be really beneficial to humans in following ways:

1. **Health Management**: -- Human will be able to manage his/her health parameters like blood sugar and blood pressure level etc. and can take proactive action to remediate the health issues.

2. **Air Pollution Monitoring**: -- Through this device, human will be able to check the surrounding ‘Air Quality’ and take the next steps.

3. **Geographical Positioning**: -- Using this feature of device, human will be able to reduce his dependency on maps.

4. **Man-Object Interaction**: -- Using this device, human and object interaction will be taken to next level where he/she can control any object using this device.

5. **Reminder Notifications**: -- This device will also send reminder notifications of up-coming travel bookings by analyzing human’s flight/hotel bookings. This device will also notify regarding any day-to-day daily activity by analyzing human’s daily schedule.

6. **Virtual Communication**: -- This device will allow humans to have face to face virtual communication with other humans so as to attend any virtual training or have a virtual doctor visit.

7. **Virtual Store**: -- Using this device, humans will be able to try cloths and will be able to buy/exchange any cloth virtually.