

A Comprehensive Study of Nokia Morph

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Abstract- This is the teenager generation and we can say that this is the IT generation. Today IT field is too developed. IT field peoples can develop new technology's day to day. And this time technology's famous in smart phones. Every companies can create a new smart phones with new technology. And The Nokia company invent a new technology in Nokia research centre. Its technology name is Nokia morph. Nokia Morph is the flexible phone which the company use nanotechnology. Nokia morph is the concept phone of combined technology, which is developed by (NRC) Nokia Research Centre and in the University of Cambridge (UK). I am introducing the technology and the software about phone.

Keyword- stretchable, transparent, flexible, nanotechnology

I. INTRODUCTION

Nokia morph is the very powerful device. And in the future every nanotechnology's task can do this the device because its based on nanotechnology. This device is flexible developed by Nokia Research Centre (NRC). Their shape and form agreeing the users to transform them according to their favourite. We can say that it is a powerful future communication device. It is clear that the ultimate functionality of phone that nanotechnology is skilful of giving flexibility materials and transparent electronics. its also provide self-cleaning surfaces. It is topographies Nano sensors that can interact with the environment to offer key information for anything from temperature changes to pollution.it is Nanoscale grass which provide that the phone charged from sunlight. In this Nano wire grass harvests solar energy. It is very advance service for the user.



NOKIA MORPH DEVICE

II. WHAT IS NOKIA MORPH AND WHERE IS IT NOW?

Back in 2008, then some amazing concepts were created. One example that quickly comes to mind is the classic **Nokia Morph**, that's probably buried in the archives of Nokia or the Nokia Devices branch taken over by Microsoft.





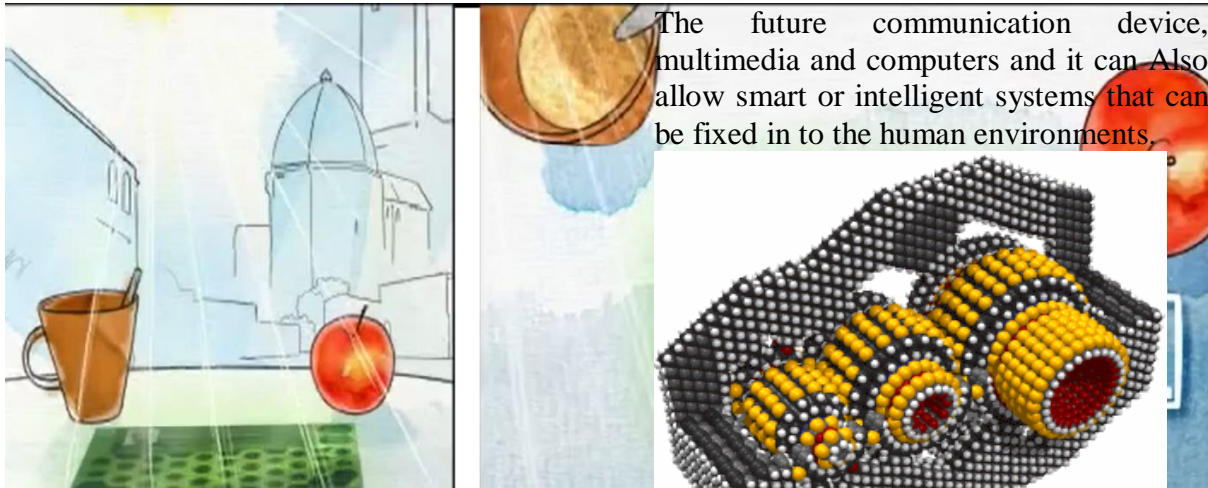
The Morph is a concept phone that uses nanotechnology and trusts on a flexible body with a transparent screen. You can restyle the device into a smartwatch and tablet, as shown in the pictures and that happened even before tablets and smartwatches were large, which is crazy! This project was developed in cooperation with Cambridge University and it was showcased at the MoMA Museum in New York.

Its have the ultimate functionality of phone that Nanotechnology is giving the Flexible materials and the transparent electronics. Its also provide self-cleaning Surfaces. The phone could be gathered to be stored in the

III. CONVERT INTO HAND WRIST BAND

pocket or bag or used as a watch or stylish wrist band that Could have its personal personalized wallpaper.it can charges from sun light and Nano wire grass harvests solar energy. The Morph concept participates different kinds of Sensors which allow these ultramodern devices to sense The environment like air quality, temperature and Humidity.

And the bit that has me most longing is the fact that the press release of the Nokia Morph mentions that the technologies shown here will be combined into handheld devices within 7 years.



Charges morph from solar energy

Nanotechnology

IV. NANOTECHNOLOGY

nanotechnology is the best example of engineering of functional system at the molecular scale. In this both present work and ideas that are more progressive.

We can say the reality sense of 'nanotechnology' mentions to the ability of project to concept items from the bottommost up, using methods and gears being settled today to make completely high presentation products.

This technology was initial introduced by Richard Feynman in 1959. Nanotechnology is an Term of umbrella that contains every fields of science that do the Work on the nanoscale. Nanotechnologies Developed and creates a new root for the solutions and the systems in sensing & actuation of technology it includes memorial, Information, signal processing and communication. It Creates reduced, authority actual technologies for

V. FEATURES OF NOKIA MORPH DEVICE

- It is flexible or stretchable and Easy to modify.
- The surface of morph is super hydrophobic. This make it extremely dirt repellent and self-cleaner.
- In this nanowire grass harvests, solar energy. Its helps to charge the phone faster.
- Phone is based on sensing power. So humans work is very easy and learn More about the environment around us.
- It is transparent. Nanoscale electronics becomes invisible to the human eye.
- Button on device surface are real 3D forms.
- It is future communication device. Morph will help in our everyday life.

VI. ADVANTAGES

- It is transparent electronics.
- Its Self-cleaning surface.
- Phones is based on sensing power.
- It is flexible and stretchable electronics.
- Charging phone from sun light with faster speed.

VII. DISADVANTAGE

- Manufacturing of the device is high.
- Accessories not discovered.
- While charging phone from solar power so it can experience heating problem

- While wearing it as a gear. The Nano surface would be in direct contact with the skin and when exposed to the sun rays can effect that skin.

VIII. CONCLUSION

Nokia is a very bigger company. Nokia can develop many phones with java, Symbian software's. after some time, it has also launch windows phone with Microsoft company which is called Lumia series and after this it has comes with android. But when android was launch it is use windows phones. After it comes with android software. And in 2008 Nokia has start new research or project which is called Nokia morph. It is a powerful future communication device. It is based on nanotechnology.

Nokia know that the future generation is too developed so Nokia started research in Nokia research Centre. This technology can do any work with sensing power. So, we can say that Nokia morph is the beginning of future communication device or mobile device. In mobile technology Nokia morph beat all the mobile company's and all operating systems software. Their slogan is true that "connecting peoples".



NOKIA

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