

## **Sixth Sense Technology- Concept vs Reality**

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### **INTRODUCTION**

We have evolved over uncountable years to sense the globe around North American country. after we encounter one thing, somebody, or some place, we tend to use our 5 natural senses that embrace eye, ear, nose, tongue mind and body to understand info concerning it; that info helps North American country create selections and selected the proper actions to require. however arguably the foremost helpful info which will facilitate North American country create the proper call is not naturally perceivable with our five senses, particularly the information, info and information that grouping has accumulated concerning everything and that is progressively all accessible on-line.

This intuition technology provides North American country with the liberty of interaction with the digital world victimization hand gestures. This technology has the wide application within the field of computer science. Although the shrinking of computing devices permits North American country to hold computers in our pockets, keeping North American country regularly connected to the digital world, there is no link between our digital devices and our interactions with the physical world. info is confined historically on paper or digitally on a screen.

Sixth Sense bridges this gap, delivery intangible, digital info out into the tangible world, and permitting North American country to act with this info via natural hand gestures. 'Sixth Sense' frees info from its reach by seamlessly desegregation it with reality, and so creating the whole world your laptop. Steve Mann is father of intuition WHO created a wearable laptop in 1990. The intuition Technology was 1st enforced because the neck worn projector + camera system. He was a media laboratory student at that point. There once it had been used associate degreed enforced by an Indian WHO is that the man has become terribly known within the recent Pranav Mistry. there will be a protracted future instead of the short amount of history for the intuition technology. intuition could be a wearable "gesture based" device that augments the physical world with digital info and lets folks use natural hand gestures to act therewith info.

Right now, we tend to use our devices (computers, mobile phones, tablets, etc.) to travel into the net and acquire info that we wish. With intuition can we are going to } North American country a tool no larger than current cell phones and doubtless eventually as little as a button on our shirts to bring the net to North American country so as to act with our world! intuition will permit us to act with our world like ne'er before. we are able to get info on something we wish from anyplace at intervals many moments!

We will not solely be ready to act with things on an entire new level however additionally with folks. One nice a part of the device is its ability to scan objects or perhaps folks and project out info concerning what you're wanting. This intuition technology provides North American country with the liberty of interacting with the digital world victimization hand gestures. This technology incorporates a wide application within the field of computer science. this technique will aid in synthesis of bots which will be ready to act with humans. This technology permits folks to act within the digital world as if they are interacting within the world. The intuition example implements many applications that demonstrate the quality, viability and suppleness of the system. intuition technology bridges the gap between the physical world and therefore the digital world, delivery intangible, digital info out into the tangible world, and permitting North American country to act with this info via natural hand gestures.

## **OBJECTIVES**

In this analysis, we tend to area unit attending to find out about intuition Technology and its objectives as we will maintain below:

- To perceive the probabilities of intuition technology.
- To notice the quality of this technology within the future.
- We fascinated by this as a result of science of tomorrow with the thought of connecting the digital world with the physical world seamlessly, eliminating hardware devices.
- The aim of this thesis was to elucidate the event of the technology by describing current hot thought.
- To perceive any development during this technology can result in evolvment of recent markets.
- To perceive that, with the assistance of an intuition device the user will simply access knowledge from any machine at real time speed.

## **Literature Review**

Manab Kumar Saha is a world of Engineering analysis & Technology Asst. Prof, Department of international intelligence agency HETC Hooghly, Republic of India (Issue twelve, Dec - 2013).

This paper could be a transient survey within the field of Sixth

Sense Technology. intuition is associate degree interface of wearable gestures that upgrade the physical world around USA with digital info and allow us to use the natural gestures to act thereupon info. This paper helps to attain those gestures we tend to use varied image options and gesture templates.

Cootes et al used Active form Models (ASM) to trace deformable objects. M. Isard et al introduced sampling filters to deal with the requirement of represent multiple hypotheses whereas chase. G. Kitagawa applied Condensation formula in factored sampling to unravel the matter of visual chase in muddle. Hojoon Park used finger for indicator movement and angle between finger and thumb for clicking events. Chu-Feng Lien used solely the fingertips to

manage the mouse indicator and his clicking technique was supported image density and needed the user to carry the mouse indicator on the specified spot for a brief amount of your time. A. Erdem et al used fingertip chase to manage the motion of the mouse. A click of the button was enforced by process a screen specified a click occurred once a user's hand skipped over the region. Oscar Palmer Robertson et al, used another technique to click. They used the motion of the thumb (from a 'thumbs-up' position to a fist) to mark a clicking event thumb. Movement of the hand whereas creating a special hand sign affected the mouse pointer. Shahzad leader developed a time period system which will trace the 3D position and second orientation. The aim of this paper is to review varied gestures, parts used, methodology adopted in intuition technology and its application.

Jash Mehta, Nirav Nayani and Lakshmi Kurup International Journal of Current Engineering and Technology.

A laptop Department, DJSCOE, Vile Parle, metropolis Republic of India (Accepted two Sept 2014).

This project could be about technology is a neck worn gestural interface device that builds up the physical world around USA with the digital info and permits the users use natural hand gestures to attach thereupon such info. it's a pendant like device that consist of 2 main components: a knowledge projector and a camera. This technology permits the user to attach with the web persistently. The device works on the principles of gestural recognition and image process. The name intuition was given to the current technology in lightweight of a wearable device and also the digital info may act in augmentation to the 5 ancient senses (vision, touch, smell, hearing and taste). Security of this technology will any be improved, and a lot of accuracy ought to be aimed for. Enhancements ought to be created in order that visually impaired folks will use this technology. this technology could be a very little, large to hold around, thus few enhancements will create it user friendly.

Ajesh M.S & Subin P Sabu Student of BCA 2nd Year, Department of Computer Science, Christ College of Science and Management, Bangalore-University, Karnataka (Issue 5, May-2017).

This paper deals with the Sixth Sense, a tool that connects the physical world with the world of data. It's a high-tech device which can supplement the physical world around us with digital information. This wearable device has the capability of turning everything to touch screen just by capturing the gestures of a person. But alongside it has led to invention to another concept having the same point but by using commands instead of gestures. Sixth Sense' is a wearable gesture interface that augments the physical world around us with digital information and lets us use natural hand gestures to interact with that information. Sixth Sense Technology may change how we look at the world forever. Sure, it is a system that projects information about what surrounds you over objects' surfaces, but it is also much more. By using a camera and a tiny projector, Sixth Sense sees what you see and visually augments any surfaces or objects with which we are interacting. This wearable gestural interface attempts to free information from its confines by seamlessly integrating it with reality, and thus making the entire world our computer. To a layman, it would be something supernatural. Some might just consider it as a superstition or something psychological. But the invention of Sixth Sense Technology has completely shocked the world. Although it is not widely known as of now, but the time is not far when this technology will change our perception of the world.

### **Discussion**

#### **WHAT IS SIXTH SENSE?**

Sixth Sense in scientific (or non-scientific) terms is defined as Extra Sensory Perception or in short ESP. It involves the reception of information not gained through any of the five senses. Nor is it taken from any experiences from the past or known. Sixth Sense aims to more seamlessly integrate online information and tech into everyday life. By making available information needed for decision-making beyond what we have access to with our five senses, it effectively gives users a sixth sense.

#### **Components**

The devices that square measure employed in insight Technology are:

- Camera: It captures the image of the article seeable and tracks the users hand gesture. The camera acknowledges people, images, pictures, gestures that user makes together with his hand.

The camera then sends this information to a wise phone for process. essentially the camera forms a digital eye that connects to the globe of digital info.

- Coloured Marker: There square measure color markers placed at the tip of user's fingers. Marking the user's fingers with red, yellow, inexperienced and blue coloured tape helps the digital camera to acknowledge the hand gestures. The movements associated arrangement of those markers square measure taken into gestures that act as an interaction instruction for the projected application interfaces.
- Projector: the data that is taken through the smartphone are often projected into any surface. The projector comes the visual info sanctionative surfaces and physical objects to be used as interfaces. The projector itself consists of batteries that have three hours of battery life. a little junction rectifier projector displays the info sent from the smartphone on any surface in view-object, wall or person. The downward facing projector comes the image on to a mirror.
- Drawing Application: The drawing application permits the user you to draw on any surface by chase the tip movements of the user's finger. the photographs that square measure drawn by the user are often hold on and replaced on the other surface. The user may shuffle through varied photos and drawing by victimization the hand gesture movements.

### **Conclusion**

Sixth Sense acknowledges the objects around America, displaying info mechanically and holding America to access it in any manner we want. This example implements many applications that demonstrate the utility, viability and suppleness of the system, permitting America to act with this info via natural hand gestures.

The key here is that intuition acknowledges the objects around you, displaying info mechanically and holding you access it in any manner you wish, within the easiest way doable. This has the potential of turning into the final word "transparent" program for accessing info regarding everything around America. If they will get obviate the coloured.

We over that the method rate of the technology is speedy and good luck on the completion of the intuition technology conception can certainly result in the brilliant and novel future

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