Sixth Sense Technology
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Introduction

- DEVELOPER—PRANAV MISTRY
- Research assistant/PhD

- Even though computing devices allows us to carry computers in our pockets, that connects to the digital world continuously, BUT is no link between our digital devices and our interactions with the physical world.
What is Sixth Sense Technology

- 'Sixth Sense' is a wearable gestural interface that augments the physical world around us with digital information.

- It augments the physical world around us with digital information and lets us use natural hand gestures to interact with that information.
Sixth Sense prototype

- A Pocket Projector
  - Projects visual information to interfaces like wall, physical objects.

- A Camera
  - Tracks user hand gestures.

- Colored Markers
  - Movements of fiducials are interpreted into gestures.
Sixth Sense prototype (pictorial view)
Working

- Sixth Sense analyses what the user sees and visually augments surfaces or physical objects the user is interacting with.
Working

- The user interact with the projected information through natural hand gestures, arm movements, or interaction with the object itself.
Working

- WUW projects information onto surfaces, walls, and physical objects around us.
Advantages

- *Easy to Draw*: A person can draw anything on paint with the help of his fingers. So, why to use mouse for painting.

- *Capture photos with fingers*: why to take camera on your holiday and no tension for the photo space as this Sixth Sense computer will work like your camera. It captures the photo, when you make a square with your fingers, highlighting which one you want to frame.
Advantages

- **Read Books easily:** Check out the ratings of the Book you are going to buy, it checks the ratings from the internet. And another amazing thing is that it reads the book for you.

- **Check your Flight Status:** You can check the status of the flight while you are on Taxi. Just place the ticket in front of the projector and it checks its status from the internet.
Advantages

- Phone Call: You can call to your friend by typing the numbers on your hand. It display the keypad of the phone over your palm and the keys appears on the four finger
Advantages

- Newspaper in the movie Harry Potter, it is quite similar to it. It searches the most appropriate video from the web by seeing the headlines or the caption of the News report. Use your another hand's finger to press the keys.
Advantages

- By using sixth sense technology the user can convert any thing as a surface. (wall, hand, newspaper).
- If we using sixth sense technology it will give you information about the thing you are looking.
Application

- Research
- Collaboration
- Cost-effectiveness
Cost & Availability

- The device can be made in current prototype system costs approximately $350 to build.
- In Indian currency 17000Rs.
- The interesting thing here is that Sixth Sense can never really be more expensive than its individual components.
- Sixth Sense hardware and software at present works with smartphones.
PRANAV MISTRY
About the Developer of Sixth Sense Technology

- Pranav Mistry is the inventor of Sixth Sense.
- He is a research assistant and a PhD candidate at MIT Media Lab.
- Pranav holds a Master in Media Arts and Sciences from MIT and Master of Design from IIT Bombay besides his Bachelor degree in Computer Engineering from Nirma Institute Of Technology, Ahmedabad.
- Sixth Sense has been awarded 2009 Invention Award by Popular Science. Pranav also won Young Innovator Award by Technology Review.
THANK YOU
QUESTIONS