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BLUE EYES TECHNOLOGY

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ABSTRACT

The world of science and technology has improved a lot in many areas. Many developments prove that how a human brain can think in many aspects of development. The huge impact is created in technology and society after the invention of google assistant. Blue eyes technology is a technique that senses users mind by facial recognition, speech etc. Hence it creates a friendly environment to users. This blue eyes technology can also detect the human feelings through a device or a sensor.

KEYWORDS

Bluetooth, Recognition, Emotional, Sentic, Human interaction, Expression, Communication, Technology, Feelings, Information Procurement Component, Vital Scheme Component

INTRODUCTION

Blue refers to bluetooth and Eye refers to seeking information from the user's feelings. It is a technology that interacts with the user with the information that is collected. This uses methods like face recognition, speech recognition, fingerprint recognition, etc. The technology used in this method can understand the user's emotions when the devices that are attached to system is touched. It checks for the user's identity and feelings that the user currently feels. The system starts to interact with the user by making comparison with the user's mind. Human recognition totally depends on the power to perceive, interpret, and integrate audio visuals and sensors**.** This method is used to avoid or reduce the disorders like tiredness and oversight mental illness. The user spends a long time in front of the system. This may result in such disorders.

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This technology interacts with the user based on their interest which it has been sensed.

ABBREVIATION

- Simple User interest tracker (SUITOR) • Manual And Gaze Input Cascaded (MAGIC) Pointing
- Artificial intelligence speech recognition (AISR)
- Brain Computer Interface (BCI)

PARTS

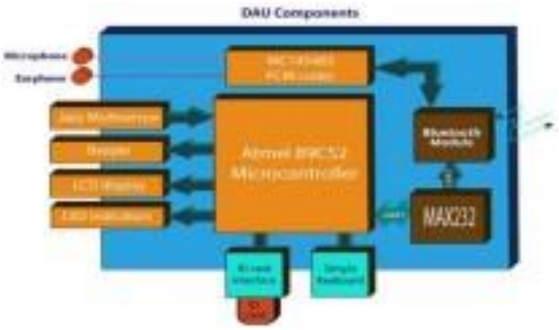
THE HARDWARE

1.DATA ACQUISITION

The main objective of this unit is to maintain the Bluetooth connections and also helps in getting information from the sensor and sending it over the wireless connections in order to deliver the alert messages sent from the Central Unit to the user and handles the personalized networks.

2.CENTRAL SYSTEM UNIT

This maintains the other parts of the Bluetooth connection, buffers incoming sensor data, performs on-line data analysis , records the conclusions for further exploration and provides visualization interface . Example: C: Documents and SettingsAdministratorDesktop1.jpg



THE SOFTWARE

The goal of the software is to keep in track of the user's mental condition. To assure this, an instant reaction on the user's condition to change the

software performance, real time buffering of the incoming data , real time physiological data analysis and alarm triggering .The Blue eyes software comprises of many functional modules. The system core further transfers the flow between other system modules.

EMOTION COMPUTING

There are two aspects of effective computing and the computer to detect emotions.

Permits the computer to express emotions. Not only are emotional crucial for constant decision making. Rosalind Picard describes, but emotion detection is an important step to an characterized

computer system. The smart computer system has driven our efforts to detect the user's emotional status. An major element of combining emotion into computation is for productivity to the user.

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TECHNOLOGY

EMOTION MOUSE

The major aspect of Brain Computer Interface (BCI) is to create a smart and adaptive computer system. These types of project must include speech recognition, eye tracking, facial recognition, gesture recognition, software and hardware.

The developer need to build a system that has the ability to identify all the emotional activities of human beings. In this method, the system has the ability to identify the variations in the moods of the user. The person may touch the keyboard hardly or softly that depends on his mood like happy or in angry.

This method enables the systems to identify these minor emotional variations of users even by a single touch. The system starts to react with the user according to his/her emotional levels. It occurs with the guidance of intelligent devices like “Emotion Mouse”.

Actually this Emotion Mouse helps in tracking the emotions of a user with a touch on it. The Emotion Mouse evaluates and identifies the user’s emotions like fear, surprise, anger, sadness, happiness, disgust etc. The main objective of this is to track the user’s physical and mental information with a touch on it.

SENTIC MOUSE

Another type of emotional sensor is the CENTAC mosque. It is a modified computer mouse that includes a directional pressure sensor for aiding in recognition of emotional valence.

EXPRESSION GLASS

Expression glasses are a pair of wearable device that allows any viewer to see a graphical view of the wearer’s facial expression. The glasses are having the capacity of learning an individual’s expression pattern and discriminating between various expressions like confusion and interested websites that the user links according to the mood and time of the day. The computer could search on related sites and suggest the result to the user.

MANUAL AND GAUZE INPUT CASCADED (MAGIC) POINTING

The webcam is used to rapidly determine the glints and pupils of the user under variable and realistic lightning conditions. So MAGIC pointing is the technique of tracking high movement of the user and perform the desired operations.

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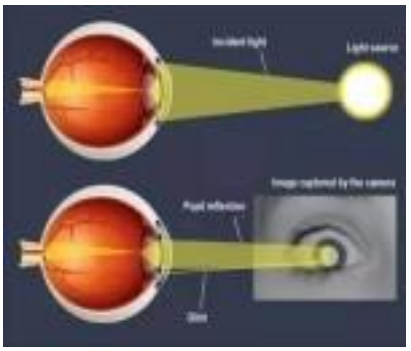

SIMPLE USER INTEREST TRACKER (SUITOR)

This technology helps in fetching more information at the desktop. It also notices where the user's high eye focuses on the screen. It fills a scrolling ticker on the computer screen with the information related to the user's task.

ARTIFICIAL INTELLIGENCE SPEECH RECOGNITION

In this technique, the user speaks to the computer through microphone and that will be stored internally. The matching pattern is designed to look for the best fit because of the variation in loudness pitch frequency difference and time gap.

APPLICATIONS

The following blue eyes technology is used in

- Manual and gas input cascaded which is commonly known as magic
- Artificial intelligence speech recognition (ASIR)
- The eye movement sensor

ADVANTAGES AND DISADVANTAGES

- Provides a monitoring condition.
- Reduces the works of human and increases the efficiency.
- It is not 100% accurate/
- Needs a minimization and the system will be bulky.
- Expensive.

FUTURE OF BLUE EYES TECHNOLOGY

It can be used in ordinary household devices such as televisions, refrigerators, ovens and so on. They may able to do their jobs when we look at them and speak to them.it also provides some delicate and user friendly facilities.

CONCLUSION

The Blue eyes technology ensures a convenient way of simplifying the life by providing more delicate and user-friendly facilities in computing devices. Now that we have proven the method, the next step is to improve the hardware. Instead of using cumbersome modules to gather information about the user, it will be better to use smaller and less intrusive units. The day is not far when this technology will push its way into your household, making you lazier. The blue eyes technology meant to be a stress reliever, driven by the advanced technology of studying the facial expressions for judgment of the intensity of stress

handled. These new possibilities can cover areas such as industry, transportation, military command centres or operation theatre.

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