



## **Blue Eyes Technology: An Artificial Intelligence**

**Christy Angeline C<sup>1</sup>, Nirubha Sri K<sup>2</sup>**

<sup>1</sup>UG Student, Computer Science, Sri Krishna Arts and Science College, Coimbatore, India

<sup>2</sup>UG Student, Computer Science, Sri Krishna Arts and Science College, Coimbatore, India

[christyangelinec21bds009@skasc.ac.in](mailto:christyangelinec21bds009@skasc.ac.in), [nirubhasrik21bds028@skasc.ac.in](mailto:nirubhasrik21bds028@skasc.ac.in)

### **ABSTRACT:**

BLUE EYES technology aims to produce an understanding between the user and the computer i.e.; blue eyes technology senses all the conduct and the physical mind set of the user using detectors. The blue eyes technology works on Artificial Intelligence. It aims to give mortal capacities to a computer. An exploration platform of IBM has come up with this technology to make a computer understand and smell mortal passions and gestures. The end of the blue eye's technology is to give mortal power or capacities to a computer so that the machine can naturally interact with mortal beings as humans interact with each other, through speech, facial expressions and touch.

### **1.INTRODUCTION:**

- All mortal beings have some perceptual capabilities, the capability to understand each other's emotional position or passions from their facial expressions. Blue eyes technology aims at creating a computer that has the capacities to understand the perceptual powers of the mortal being by feting their facial expressions and reply consequently to them.
- All these perceptual capabilities are bedded in the widgets using the Blue Eyes Technology. This shows how far wisdom and technology can progress and develop.
- The Blue eyes technology identifies mortal feelings using image processing ways by rooting eye portion from the captured image and compares it with the stored images in the database. This high- end technology facilitates the computers to talk, hear and feel our presence with colorful tools of artificial intelligence like face recognition, point, and videotape callsetc.,
- This technology is used to simplify life by furnishing stoner-friendly installations. It also helps in reducing the gap between the computer and mortal.
- All mortal beings have some perceptual capabilities, the capability to understand each other's emotional position or passions from their facial expressions. Blue eyes technology aims at creating a computer that has the capacities to understand the perceptual powers of the mortal being by feting their facial expressions and reply consequently to them.



Figure 1-Tehnology in eye's

### 1.1 Blue Eyes Technology:

- A Blue eye invention is planned for making computational machines that have perceptual and palpable capacities like those of mortal, exercising on-prominent detecting fashion, exercising most present- day camcorders and amplifiers to recognize the client's exertion using conferred tactile capacities which permits the machine/ PC to comprehend what a client needs, indeed understand his physical or enthusiastic countries. The essential study behind this invention is to give the PC the mortal force. We as a aggregate have some perceptual capacities that are, we can see each other's affections, for case, we can comprehend one's passionate state by breaking down his outside appearance.

### 1.2 Ways Of Blue Eyes Technology:

- Emotional Mouse It acquires physiological information and passionate state, for illustration, eyeblink, pressure, temperature and so forth through the pinch of the client on mouse where various sensors, (for illustration, pressure sensor, eyeblink sensor, GSR sensor, temperature sensor) are transferred inside it. At that point, it decides the character of the client.
- Manual And Gage Input Cascading (Magic Pointing) A webcam is employed to swiftly decide the glows and understudies of the client under factor and practical lightning conditions and wrap the cursor to each new object client looks at. At that point, the client assumes responsibility for the ideal by hand close to the ideal or overlooks it and quest for coming one.
- Artificial Intelligent Speech Recognition The client addresses the PC through prophet and that discourse get shifted and put down in RAM. The word words are examined and coordinated against the inside put down words. Illustration coordinating is intended to search for the swish fit in view of kinds in tumult, pitch, rush distinction, time hole, and so on. The recognizable substantiation makes some move be made.



Figure 2- Artificial technology

### 1.3 Artificial Intelligent Speech Recognition:

- It's in demand to have a kind of terrain in which the speech recognition system work. Some factors that may affect the quality of speech include the ABC used by the speaker and accepted by the system, noise position, noise type, position of the microphone, and speed and manner of the user's speech are some factors that affect recognition. Let us assume you call at any customer care of a big company, you may presumably hear the grandiloquent voice of a dressed lady or gents who responds to your call with generosity saying " Drink to company AA. Please give me the unique ID you want". You declare the unique ID, your name, and the name of the person you want to communicate. Still, the connection is given snappily, If the call is being accepted by the called person. An automatic call- handling system is used without employing any telephone motorist which is made possible by artificial intelligence.

### 1.4 Blue eyes technology: using artificial intelligence

- All these perceptual capabilities are bedded in the widgets using the Blue Eyes Technology. This shows how far wisdom and technology can progress and develop.



Figure 3: Blue eyes technology with AI

- The Blue eyes technology identifies mortal feelings using image processing ways by rooting eye portion from the captured image and compares it with the stored images in the database. This high- end technology facilitates the computers to talk, hear and feel our presence with colorful tools of artificial intelligence like face recognition, point, and videotape call development This technology is used to simplify life by furnishing stoner-friendly installations. It also helps in reducing the gap between the computer and mortal. conduct small and large scale of natural and medical images, is done with optic consonance tomography (OCT). OCT uses infrared light to measure the consistence of towel. It generates three-dimensional images that can be used for diagnostics or for restoring damaged apkins. The technology also has

implicit in medicine discovery.

- Lately, a patent for a programmable Quintet was filed in 2009 by a group of experimenters from Stanford University, UCLA and Intech Corporation of Taiwan. According to the patent, it's grounded on an optic consonance tomography (OCT) system that allows computers to read OCT data in real time.
- The work is part of a large-scale collaboration between the computer vision group at Stanford University, the systems group at Intech and the biomedical exploration group at UCLA. The software was written in the programming language Java and uses a tackleco-processor that's integrated into an ordinary particular computer or networked to other similar bumps.
- The specialized details of how Octet works were presented in 2009 by McGloneetal. as an instigative follow-up to their former work (2003). OCT is anon-invasive way of covering the body's apkins in 3D. It's similar to ultrasound but uses light rather of sound swells. It's used for medical operations and was honored in 2009 by Guinness World Records as the world's lowest medical imaging system after its formulators reduced it to the size of a mobile phone. You may not have heard of it yet, but artificial intelligence is the hottest trend in business right now. In fact, according to global critic establishment Gartner, AI'll be a top precedence for at least CIOs by 2020. But what exactly is AI? And why has this technology come so popular amongst enterprises worldwide? We 'll explore the basics of artificial intelligence and showcase some use cases that demonstrate the mileage of this paradigm shifting technology
- The term "artificial intelligence" was first chased in 1956 by John McCarthy, a notorious computer scientist and mathematician. McCarthy defined AI as "the wisdom and engineering of making intelligent machines," distinguished by its focus on the creation of machines that can reason, learn, and break problems.

According to Andras Pillions, one of the Settlers of neural networks (which is the base for important of current AI exploration), "Artificial Intelligence is nothing but natural intelligence expressed in a mechanical way.

- In fact, that's exactly how IBM sees it. In its vision paper, "Accelerating AI Relinquishment Through Business Transformation," Big Blue describes AI as a technology that provides machines the capability to "dissect massive quantities of data, identify patterns and anomalies, find the right data experts to help break problems, organize information and make it fluently accessible on demand, learn new information to ameliorate its delicacy when faced with new situations and learn from once relations to more prognosticate unborn.

---

## Conclusion:

- The Blue eyes technology ensures a accessible way of simplifying the life by furnishing further delicate and stoner- friendly installations in calculating bias. Now that we've proven the system. the coming step is to ameliorate the tackle. Rather of using clumsy modules to gather information about the stoner, it'll be better to use lower and lower protrusive units. The day isn't far when this technology will push its way into your menage, making you lazier. This blue eyes technology is meant to be a stress reliever, driven by the advanced technology of studying the facial expressions for judgement of intensity of stress handled. These new possibilities can cover areas similar as assiduity, transportation, military command centers or operation theatres.

## References:

- (1) ChandaniSuryawanshiT. Raju, Blue Eyes TechnologyS.Madhumitha, IJSRD-International Journal for Scientific Research &Development|Vol. 2, Issue 01, 2014
- (2)RaghvendraPriyam, RashmiKumari,Dr. Prof VidehKishori Thakur, "Artificial Intelligence Applications for Speech Recognition".
- (3)V. Malarmathi,Dr.E. Chandra,"A check on Speech Recognition" International Journal of Computer Trendsand Technology (IJCTT)- volume 4Issue 9 – Sep,
- ( 4)Mr. GauravN. Mehta,Mr. JimishK. Desai,Mr. DevangG. Chavda,"Blue Eyes-Human-Operator Monitoring System"International Journal of Scientific Engineering and Technology (ISSN 2277-1581), VolumeNo. 1, IssueNo. 3, 91-95, 01 July 2012.