Arduino Smart Glasses Augmented Reality Headsets

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Abstract: *Smart or smart glasses are wearable smart glasses that add information to the user's sight. Similarly, smart glasses are sometimes defined as wearing computer glasses that can change their optical properties while they are running. Smart glasses, designed to change the colour of electricity, are an example of the latter's smart glasses. Information is superimposed on the field of view of an optical head-mounted display (OHMD) or transparent head-up display (HUD) or embedded wireless glasses with augmented reality (AR) coating. These systems have mirrored digital images and allow users to see through them or use them to see better. While earlier models could handle simple tasks like pre-ordering the remote control, when it comes to smart glasses using cellular technology or Wi-Fi, Modern smart glasses are computers that can work alone. mobile requests Some are hands-free and can communicate with the Internet through the natural language, while others use touch buttons. Like other computers, Mirrors can collect data from an internal or external device. can check or store information from other devices or computers. It also supports wireless technologies such as Bluetooth, Wi-Fi, and GPS. A few models run mobile operating systems and function as portable media players, sending audio and video data to the user via Bluetooth or Wi-Fi headset. Some eyewear models also have full lifetime access and activity tracker functionality. Smart Glasses can also work like smartphone.*

Keywords: Arduino, Augmented Reality, Smart Glasses.

REFERENCES

[1]. Ankit K, "Smart Augmented Reality Glasses Using Arduino" Unpublished Paper.

[2]. A. Vilei, L. Mainetti, L. Patrono, and, "Evolution of wireless sensor networks"

[3]. D. D. Han, M. C. T. Dieck, T. Jung "Wearable Smart Glasses Augmented Reality museum application" Journal of Hospitality and Tourism Technology, Aug 2016

[4]. N. Kumar, N. Singh and V. K. Peddiny, "Features, Applications, Current Progress and ChallengesWearable Smart Glass" International Conference on Green Computing and Internet of Things, Aug 20

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