Smart Glasses

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Abstract: In this era where the technologies have been so modernised that we are even able to wear real phone like devices on our wrists. According to a survey conducted by Rakuten Insight in September 2022, it was found that around 45% of India does wear a smart watch. But the thing is that while driving a bike or a scooter for example, the rider who is wearing the smart watch has to tilt the head so much towards the watch in order to see the notification which is popped, which can cause the rider to not see the road in front and maintain the correct head position. Therefore, the purpose of this project is to create a pair of smart glasses which can eliminate the distractions caused by the smart watches. The smart glasses are basically controlled by an Arduino based controller board namely Seeed Studio XIAO nRF52840 Sense, which will help an OLED Display to project the contents to a transparent / translucent piece of glass which will be straight in front of the lenses of the glasses. This will surely be way less accident prone unlike the smart watches and will be a better and powerful competitor for smart watches.

Keywords: LED, Light Emitting Diode,Smart Glasses.

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