Smart Home Automation Using AR and IoT

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Abstract: *The modern home automation system gives security and blissful life at residence. That is why the popularity of using home automation technology is increasing day by day. Controlling home appliances with our smart phones, smart glasses and smart watches without the actual us- age of conventional switches is home automation. Our paper proposed the design and implementation of home automation, monitoring, and home security through the internet of things (IoT) and Augmented Reality (AR). Our system can control and monitor the house temperature, humidity, lights, air conditioner and all home de- vices virtually by simply seeing towards that application through AR app. we are making smart home AR application using unity software with Vuforia engine. Our proposed system gives more real time experiences as we are imposing virtual environment in real world by using AR. Our proposed system is more secure because to get specific output it required to have targeted image along with AR app which we have developed.*

Keywords: Internet of Things, Augmented Reality, Vuforia Engine, Unity Software, Home Automation.

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