

Anti-Theft Door Lock System using IoT for Home Security

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Abstract: *In today's world advancement of technology in the fields of automation is getting simpler and better in all aspects. There is a rapid increase in number of internet users. Smartphones have played a very important role in helping users with a much better internet service and different online applications. The concept of home automation is applied using internet of things. There was a time when people used to perform home automation using Bluetooth without using internet. Now technology has made a tremendous change and Bluetooth is switched to wifi. This paper presents the design, concept and implementation of IoT (Internet of things) based smart home automation with a low cost and better security. The system is easy and flexible as it uses Arduino board with various sensors to make the system effective. Password protection is used to allow only authorized users to use the system. The system works online as well as offline with the help of a smartphone and web. The system can control large number of devices or appliances at a time.*

Keywords: Arduino, GSM module, Adapter, LED, IOT, Home Security, Real-Time Surveillance