UNLOCK KEY SYSTEM ON A MOTORBIKE USING VOICE SENSOR WITH ANDROID BASED ON MICROCONTROLLER

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ABSTRACT

Motorbikes are a reliable means of transportation, which are widely used because of its practical and fuel efficient. Lately, we often see in newspapers, on TV, on radio and other news that broadcast about vehicle theft. Our vehicles often become the target of theft, when he sees opportunities such as during parking, queuing or working, shopping or even when we are at home. Recently, the thieves perform faster, supported by the tools used. Therefore, it is necessary to design a security system device on the vehicle to keep it safe. Along with technological advances, especially in the field of electronics, a security system tool is designed using MCU and android microcontrollers to have the level of security higher. This prototype uses the internet of things which is integrated with the internet regulates electricity on the motorbike. It has been tested successfully for 20 times out of 25 trials. It provides testing accuracy of 40%, and precision of 80%.

Keywords: Android, Microcontroller, Security system