Patent Search

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Abstract:

This method is to develop an embedded system which is used for ATM security applications. Automated teller machine (ATM) now a day is extensively used all over the wo withdrawal of cash. A unique card is issued for each user along with the unique code provided to him so that the person may do all his transactions personally without an getting known. We go to prevent ATM machine with wireless technology. We have to provide some security systems to prevent the crime if we notice any kind of theft. Her implementation of ATM crime prevention system is necessary. This system uses ARDUINO controller based embedded system to process real time data collected using the vibration sensor. Whenever robbery occurs vibration sensor is used here which senses vibration and sounds will occur from the buzzer and through IoT it sends a messag police station and to the corresponding banked motor of the door automatically closes to easy catch the theft. If anyone inserted losses ATM card then this system autom sends SMS to BANK person. Buzzer will activate to alert surrounding people, dc motor also closed to catch that person. All input and out modules are interfaced to ARDUI Microcontroller which process input data and provide output with help of 5V regulated power supply. In this proposed system we used Arduino software to write c prograr compiling

Complete Specification

Description:The primary objectives, upon which, the present work is for providing a best security system with advanced improvements which are very useful to perform many operations in less time. The brief introduction about of the system is to alert the police station and bank authorities by sending the message when the crime is occurred. The idea of designing an ATM crime prevention system is born with the observation of ATM crime incidents happening around the world. When the person
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goes into the ATM room near the ATM and tries to break or any damage to the machine which is the inappropriate action by the person is recognized by the vibration sensor and senses the changes. It will immediately give the information to the controller as soon the information is received by controller it will be sending data to the buzzer, buzzer will be beeping continuously for 35 seconds and immediately the motor starts it action by closing the door by not allowing the person to come out by this there is no possibility for the thief to escape as the doors are closed. SMS alert will be send to the nearest police station and the bank authorities through the IoT technology, the LCD displays that ATM IS REMOVED indicating the theft had occurred. By this the police will know the information and they immediately reaches the place till that the doors

View Application Status

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