**DESIGN OF CONCEALED ALARM SYSTEM**

**AIM:**

The main aim of this project is to protect the banks and financial institutions by using wireless alarm and GSM technology.

**PURPOSE:**

Considering the characteristics of banks and other financial institutions, this paper aims at reforming conventional alarm system by the concealed GSM monitor and wireless alarm system, meanwhile, SMS.

**BLOCK DIAGRAM:**

**MICRO CONTROLLER**

**(8051)**

**GSM**

**ALARM**

**FOOT BUTTONS**

**POWER SUPPLY**

**DESCRIPTION:**

The financial transactions of all branches of banks are often more concentrated, and also more vulnerable to the threat of robbery, therefore how to improve the real-time alarm and the security is the pressing problem. While the GSM (Global System for Mobile Communications) technology's development, has provided the very good solution to this problem. So the concealed GSM monitor and alarm system for bank counter arises at the historic moment. This alarm system triggers alarm through the foot-button in a more concealed way.

This intellectualized GSM-based alarm system has the characteristics of diverse alarm way; easy concealment; and may realize alarm over mass, thus achieves the safeguard of the financial network security

**HARDWARE COMPONENTS:**

* Microcontroller(8051)
* Buttons
* Alarm
* GSM

**SOFTWARE TOOLS:**

* Embedded C
* Keil IDE
* ISP

**RESULT:**

This article introduced the concealed GSM monitor and alarm system for bank counter, which has the characteristics of easy installation, alarm security and quickly, adapted to the needs of the market well.