



NARNARAYAN SHASTRI INSTITUTE OF TECHNOLOGY

(Department of Electronics & Communication)

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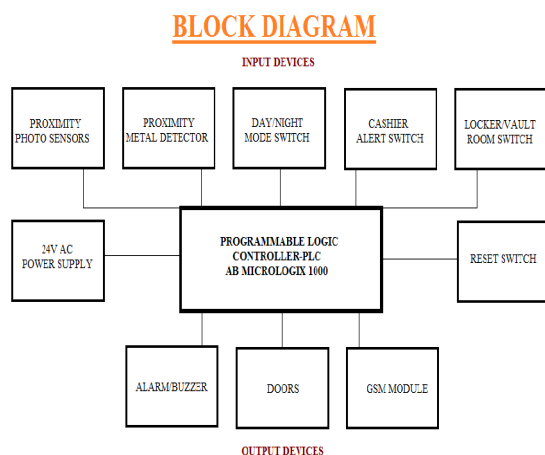
Project Title:- INTELLIGENT BANK SECURITY SYSTEM

Abstract:- Increasing incidence of crimes against banks has necessitated a serious re-look at the security arrangements and guidelines followed by the banks. Increase in anti social activities is a cause of concern as the banks are considered soft targets by criminal. The prevailing crime scenario demands compatible, efficient and reliable security and safety measures.

We design the security system with the use of PLC. Where programmable logic controller performs major role in our system. The system consists of Proximity photo sensors, alarm or buzzer, plc, proximity metal detector sensor, etc.

For making system further advanced we can interface GSM module. So, if any unauthorized person tries to access the bank the GSM based messaging service sends an alert message to listed numbers

Block /circuit Diagram:-



Major Hardware components used:-

PLC AB MICROLOGIX 1000,PROXIMITY PHOTO SENSORS,PROXIMITY METAL DETECTOR,BUZZER,GSM MODULE,CD LOADER AS DOOR.

Software used:-

RS LOGIX 500,RS LINX,MPLAB.

Project Application:-

- (1) IT CAN PROVIDE SECURITY IN BANKS.
- (2) IT CAN ALSO USED IN HOME AUTOMATION.
- (3) IT WILL PROVIDE BETTER SECURITY IN INDUSTRIES.
- (4) WE CAN USE THIS SYSTEM AT AIRPORT.

Approx. Project Cost:-15000 RS

Project Photo :-



