

GSM BASED BANK LOCKER SECURITY SYSTEM

AIM:

Design and Development of GSM based bank locker security system.

PURPOSE:

Bank lockers are primary level security facility in banks. Customers can store their valuable things like cash, gold, diamonds and property documents in lockers. There is a chance to steal from regular bank locker. Multilevel security system can protect from manipulations. Here we propose GSM based bank locker security system. This can provide multilevel protection.

DESCRIPTION:

This project includes GSM (Sim800C) module, which is connected to Arduino through UART. Keypad connected to Arduino digital pins. Buzzer interfaced with Arduino digital pin. DC motor interfacing to Arduino along with L293d ic.

WORKING:

Whenever user wants to open locker door, he has to give two passwords. One password is fixed and need to enter in keypad. Next password will be send to mobile as SMS. User has to give SMS password on keypad. If two passwords are correct then only locker door will be open. If any password wrong alert SMS will send to mobile number and buzzer sound will come.

TECHNICAL SPECIFICATIONS

HARDWARE:

Microcontroller	:	Arduino Uno
Crystal	:	16 MHz
LCD	:	16X2 LCD
GSM	:	SIM800C
Motor Driver	:	L293D
Buzzer	:	5V/12V DC
Power Source	:	12v 2 amp Adaptor

SOFTWARE:

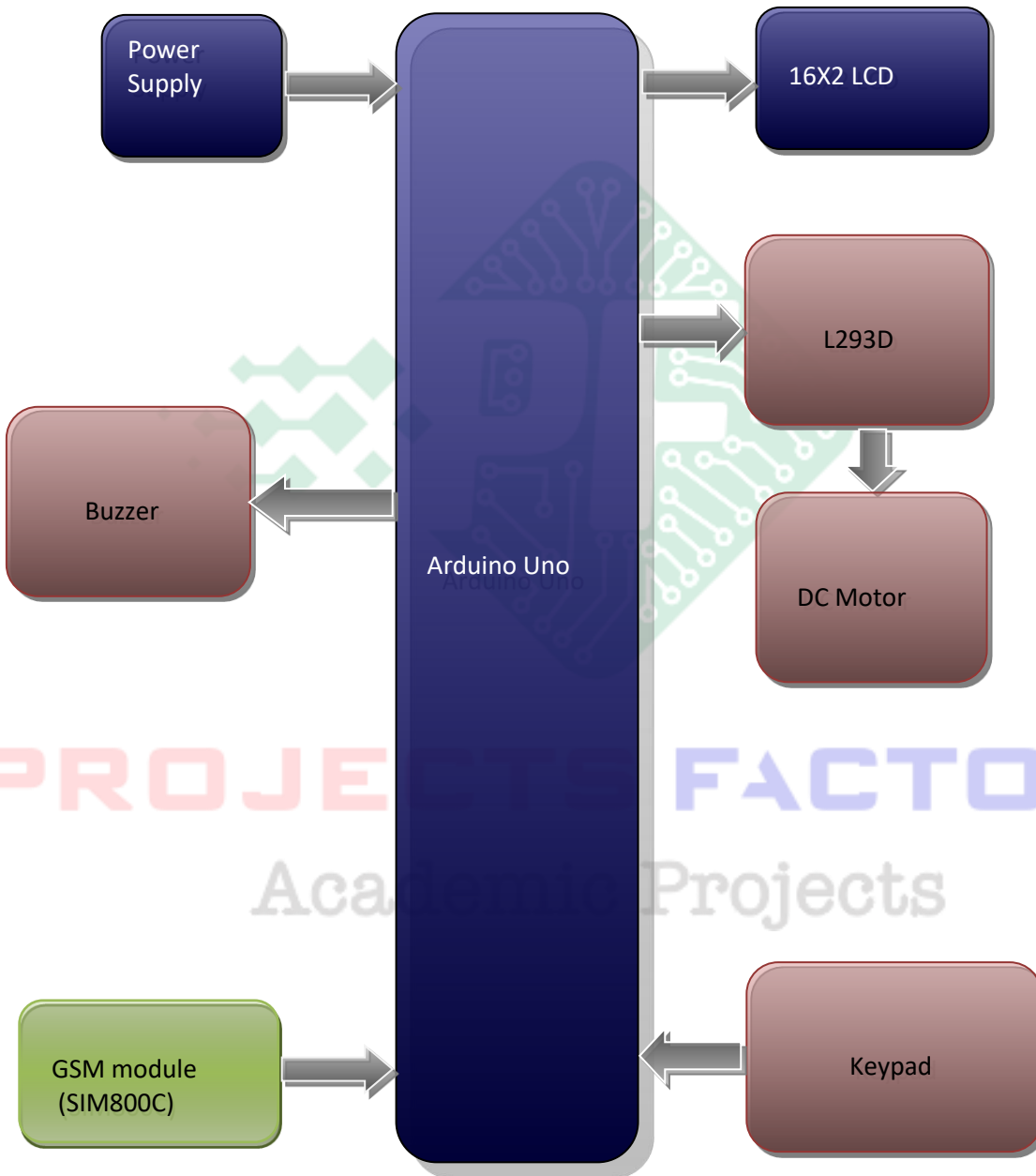
Arduino IDE
Proteus based circuit diagram

APPLICATIONS:

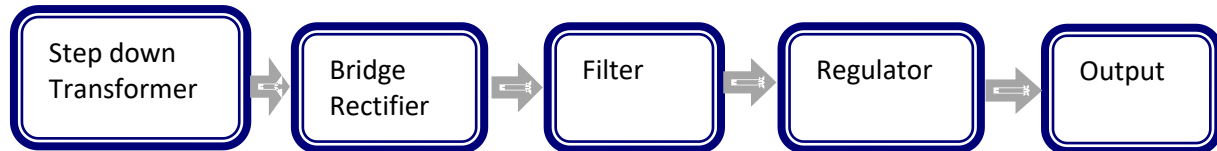
- Lockers
- Banking sector
- Jeweler shops

PROJECTS FACTORY
Academic Projects

BLOCK DIAGRAM:



POWER SUPPLY BLOCKDIAGRAM:



INTERFACES COVERED:

- We have covered GSM (SIM800C) module interfacing
- Keypad and motor interface

PROJECTS FACTORY
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