

via SMS. The circuit used for our design is obtained from the data-sheets which made our task easier.

BLOCK DIAGRAM:

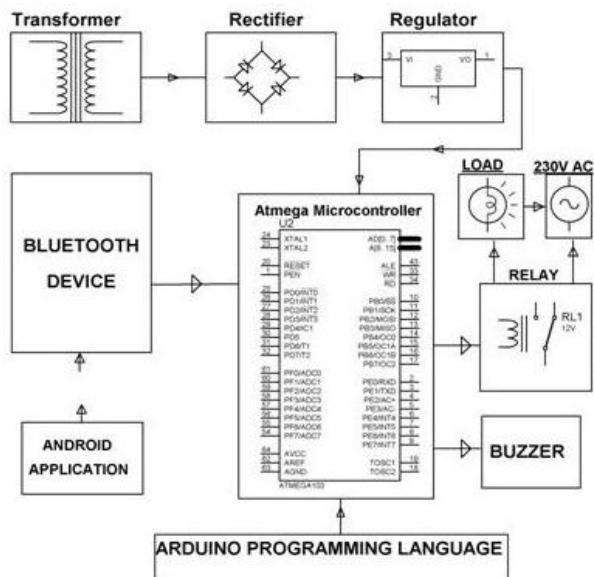


FIG.1: Block Diagram of android application based locker security system

Table -1: Specifications of microcontroller.

Components	Voltage	Current
1.Micro-Controller(Atmega32(L))	5.5V	1.5mA
2.GSM Modem	5.3-12V	2A
3.Relay	12V	1A
4.DC Motor(10RPM)	12V	1A
5.MAX-232	5V	3mA
6.Driver IC ULN2803a	30V	500mA
7.LCD(16x2)	5V	103mA

3. PROPOSED METHODOLOGY

In this proposed work, the RFID reader reads the data from tag and send to the microcontroller, if the card is valid then microcontroller display the account holder name and number. Then the account holder need to enter the password, if the password is valid then microcontroller sends the SMS to account holder mobile number. Then account holder sends the password to the microcontroller through mobile phone using GSM. The microcontroller compares the passwords entered by

keyboard and received through mobile phone. If these passwords are correct the microcontroller provides necessary control signal to open the bank locker. This method is simple and more secure than other system.

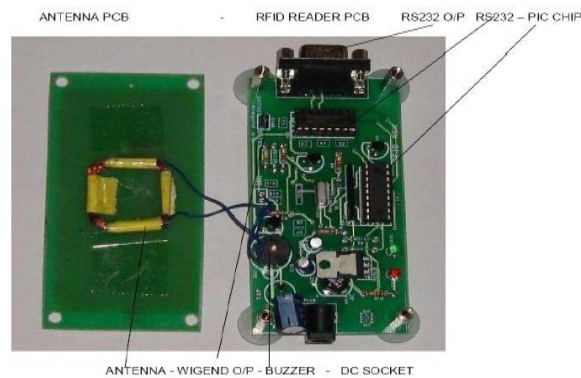


Fig.2: RFID reader

4. CONCLUSION

It can be concluded here that the system has been successfully implemented and the aim is achieved without any deviations. The results achieved in this project are genuine and are a product of sincerity and hard work. All the devices communicate well, especially the android application and Infrared Sensor communicates well with the GSM modem in android phone and the SMS is sent successfully. There is a lot of future scope for the project, because a security system helps you protect your property and your privacy. The product can also be developed or modified according to the rising needs or demands.

REFERENCES

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