AMRITA VISHWA VIDYAPEETHAM

19CSE446 - Internet Of Things

BANK SECURITY SYSTEM WITH MULTI SENSORS

PRESENTED BY

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REVIEW - 0

PROBLEM STATEMENT

The security of banking institutions is of paramount importance to safeguard assets, confidential information, and ensure the safety of employees and customers. Traditional security measures such as surveillance cameras and alarms have limitations in effectively preventing and responding to security breaches. Hence, there is a need to develop an advanced Bank Security System (BSS) integrated with multi-sensor technology to enhance security measures and mitigate risks effectively.

OBJECTIVE

The objective of our project is to develop an advanced Bank Security System (BSS) integrated with multi-sensor technology to address the pressing security challenges faced by banking institutions. In today's dynamic threat landscape, traditional security measures often fall short in effectively preventing and responding to security breaches. Therefore, our primary goal is to design a comprehensive BSS capable of detecting a wide range of threats including intrusion, unauthorized access, theft, vandalism, and suspicious activities within banking premises.

COMPONENTS

HARDWARES

- *Ultrasonic Sensor*
- *Photoresistor*
- *Humidity Sensor*
- *PIR Sensor*
- *Arduino*
- *Bread Board*
- *Bulbs and Relay*

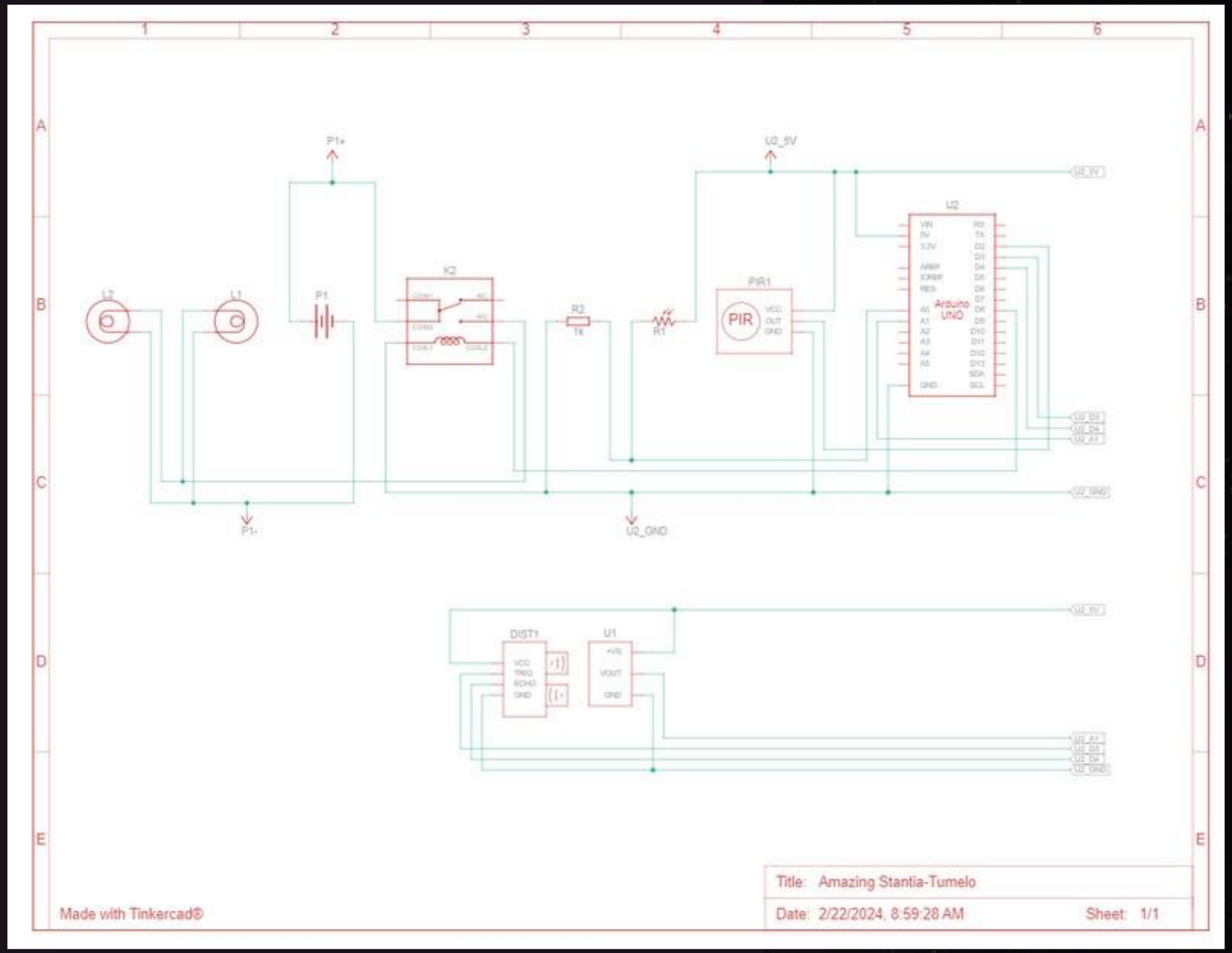
SOFTWARE

- *Arduino IDE*

PROPOSED IDEAS

1. To use *Photoresistor* to measure Sunlight
2. To use *PIR Sensor* to identify pedestrians or cars.
3. To use *Ultrasonic Sensor* to identify pedestrians and cars still in range
4. To use *Humidity/Temprature Sensor* to collect data on environment conditions
5. To use *Arduino* to connect and co-ordinate the sensors.

CIRCUIT DIAGRAM



THANK YOU