

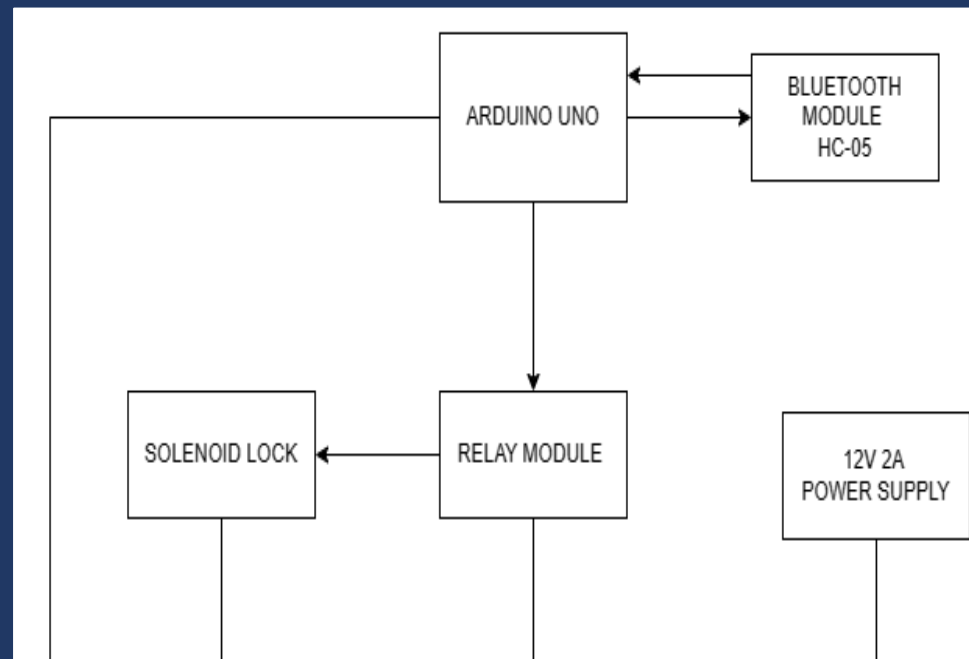
## ABSTRACT:

- In the realm of logistics, ensuring the security of transported goods is paramount. This abstract introduces an innovative locking mechanism tailored for the logistics industry. The primary objectives are to enhance cargo security, streamline operational efficiency, and provide real-time monitoring capabilities.
- The proposed locking mechanism integrates advanced security features, including tamper-resistant technologies and real-time tracking, to safeguard shipments during transit.

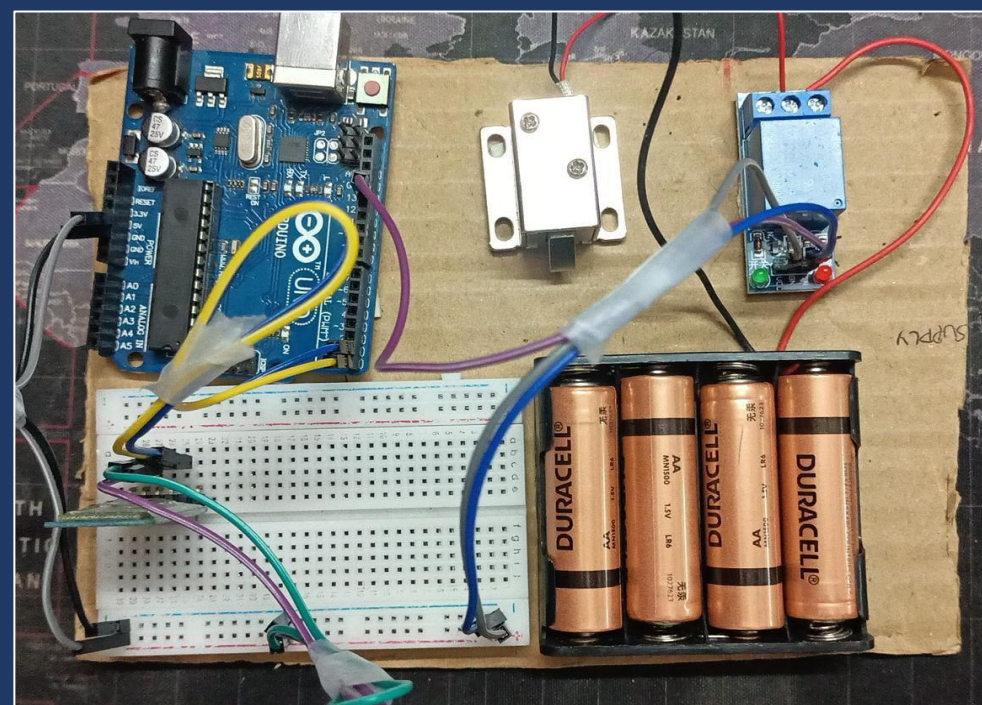
## PROBLEM STATEMENT:

To design a locking mechanism to ensure safety and preventing abduction of products from the vehicle

## BLOCK DIAGRAM:



## DESIGN:



## APPLICATIONS:

- Can be implemented in containers and vehicles in logistics industry
- Can also be used in various other places like home, bank lockers, stores, universities, etc.

## FUTURE SCOPE:

- GSM modules can be integrated and OTP based locking mechanism can be done
- Can also be implemented in various places with required changes and needs

## REFERENCES:

February 20, 2020: The 'BSI and TT Club Cargo Theft Report 2020' released on Wednesday stated that of all Asian cargo theft in 2019, 64 percent happened in India and 32 percent of them were food and beverages

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