



RF Secure Coded Communication

TEAM 5

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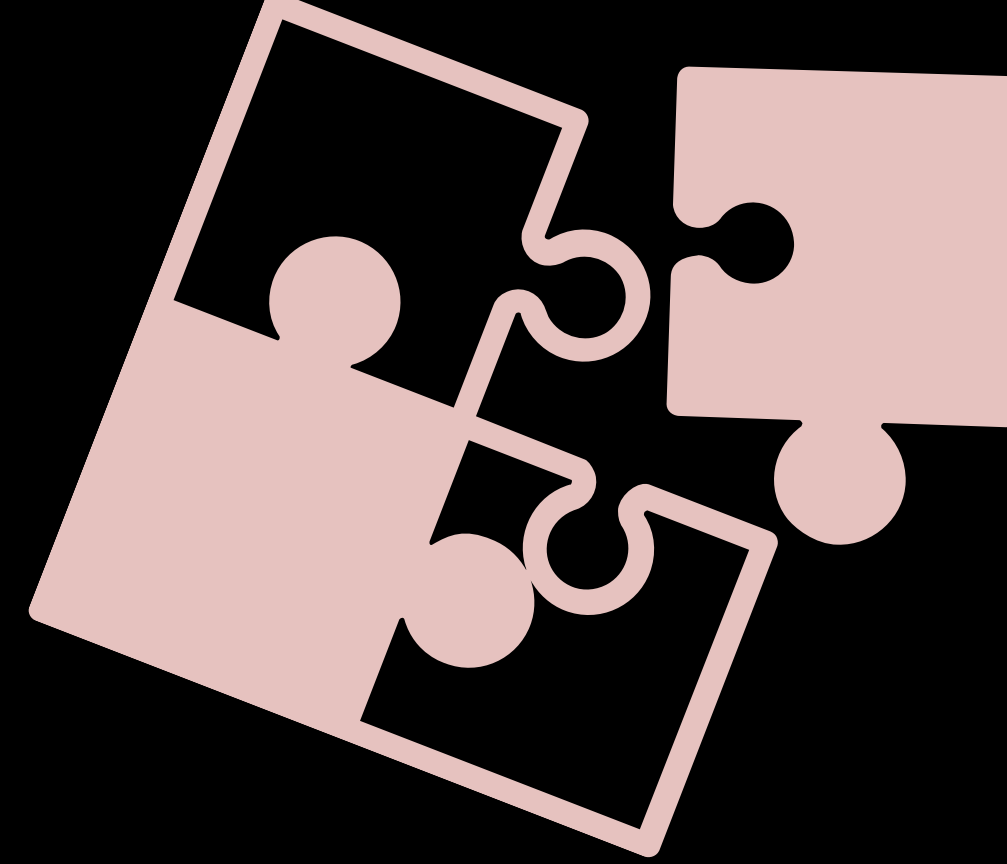
SAI RAGHAVI.T



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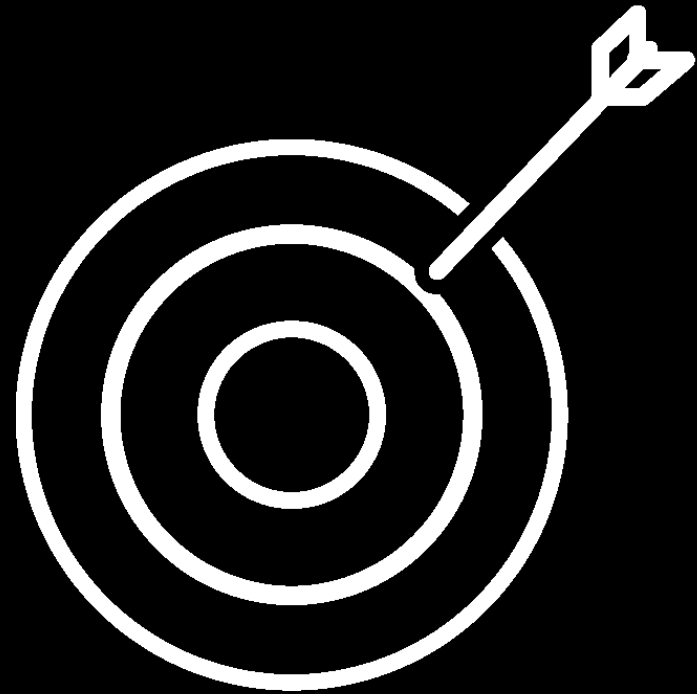
- Introduction
- Problem statement
- Objective
- Rf communication
- Working of rf communication
- Algorithms involved in this project
- Block diagram
- Advantages of rf secure coded communication system
- Real life applications

PROBLEM SOLVING



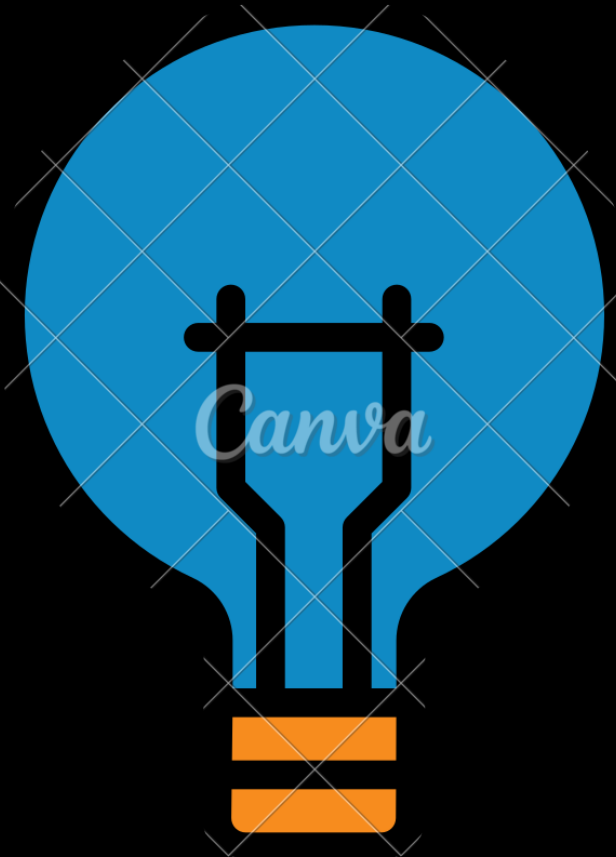
Making when two entities
are communicating without
third parties to
eavesdropping

OBJECTIVE



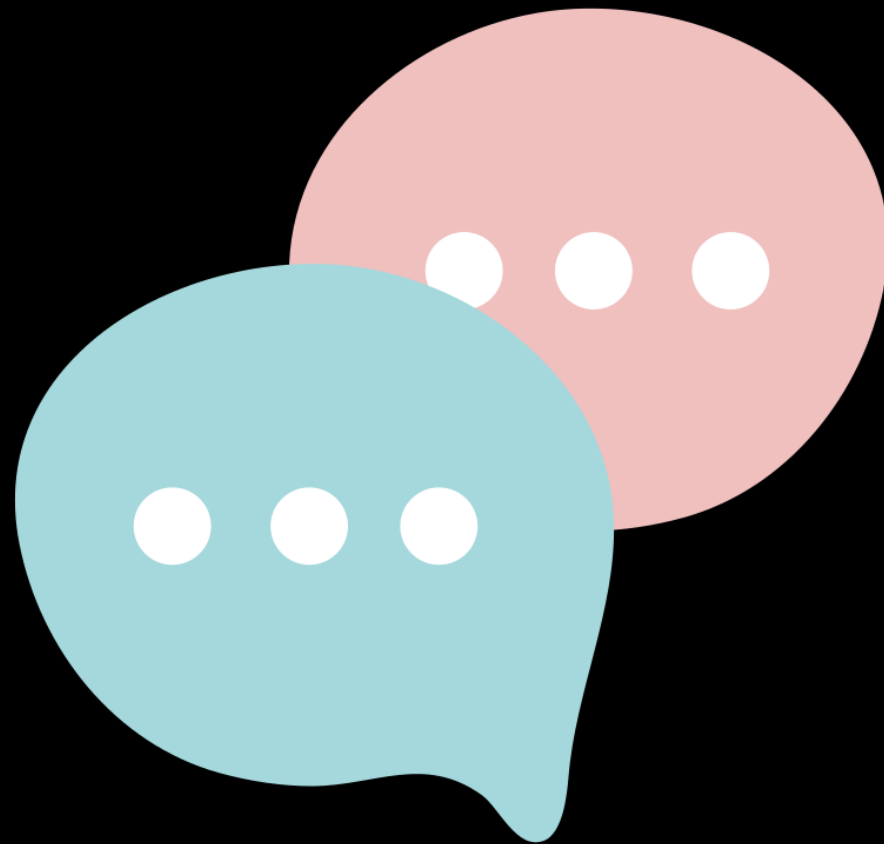
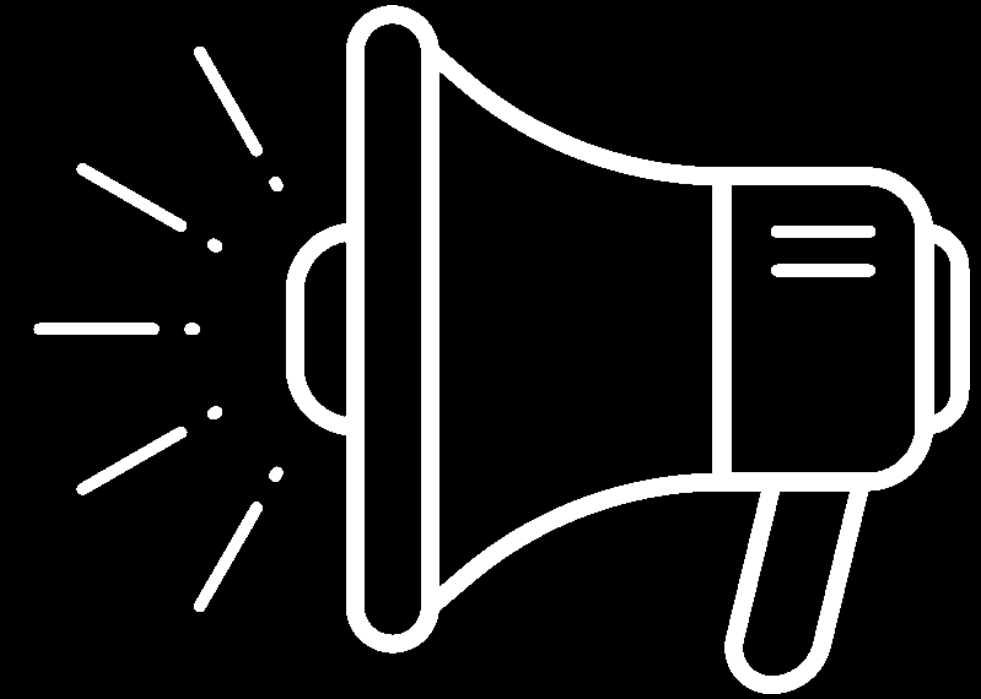
The aim of the project is to send
secret code or messages to the other
person.

INTRODUCTION



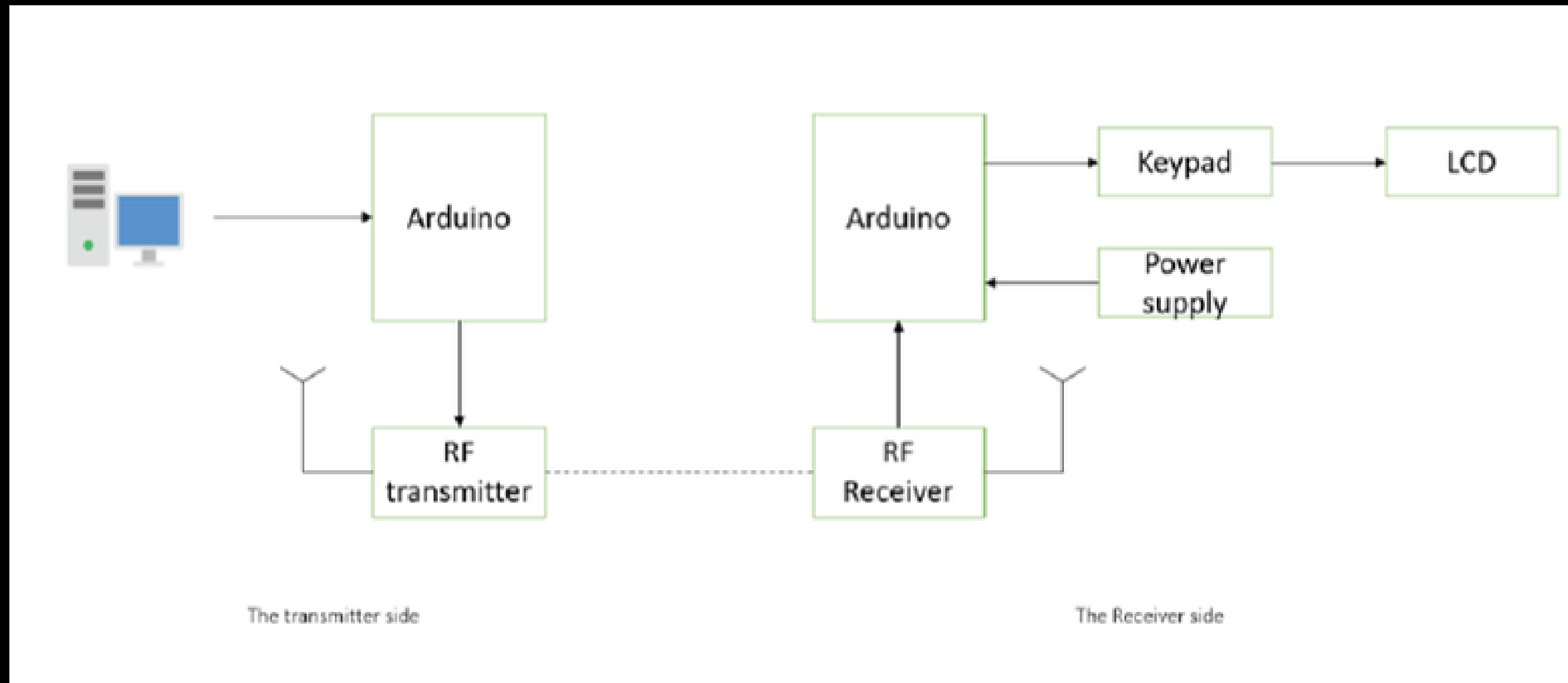
There are times where two people are communicating and they do not want a third party to eavesdrop in a face-to-face conversation; the same situation can be applied when communicating through devices.

Rf communication

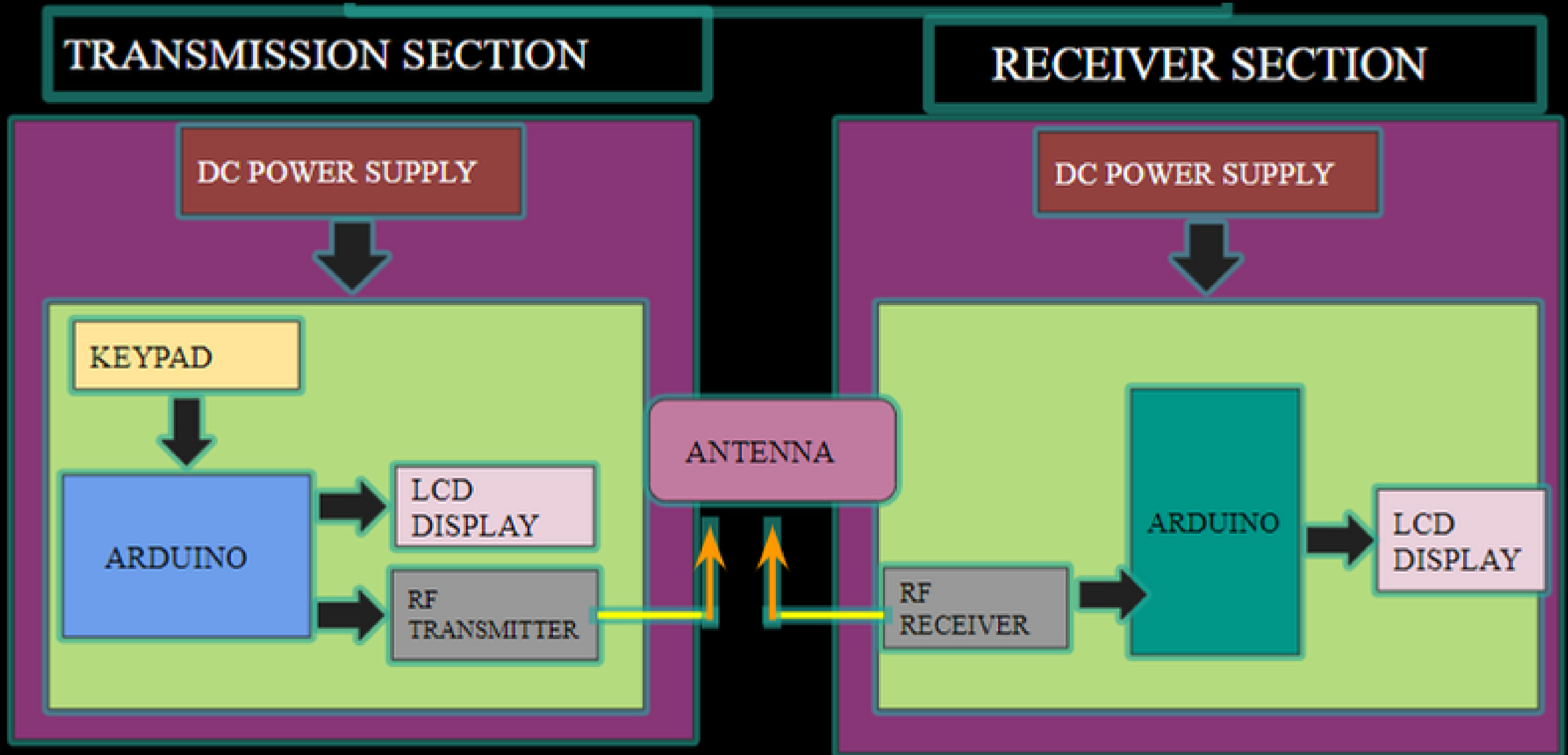


A radio frequency (RF) signal refers to a wireless electromagnetic signal used as a form of communication. The primary motivation of this project was the design of a wireless communications system using 433Mhz Rf module.

Block Diagram



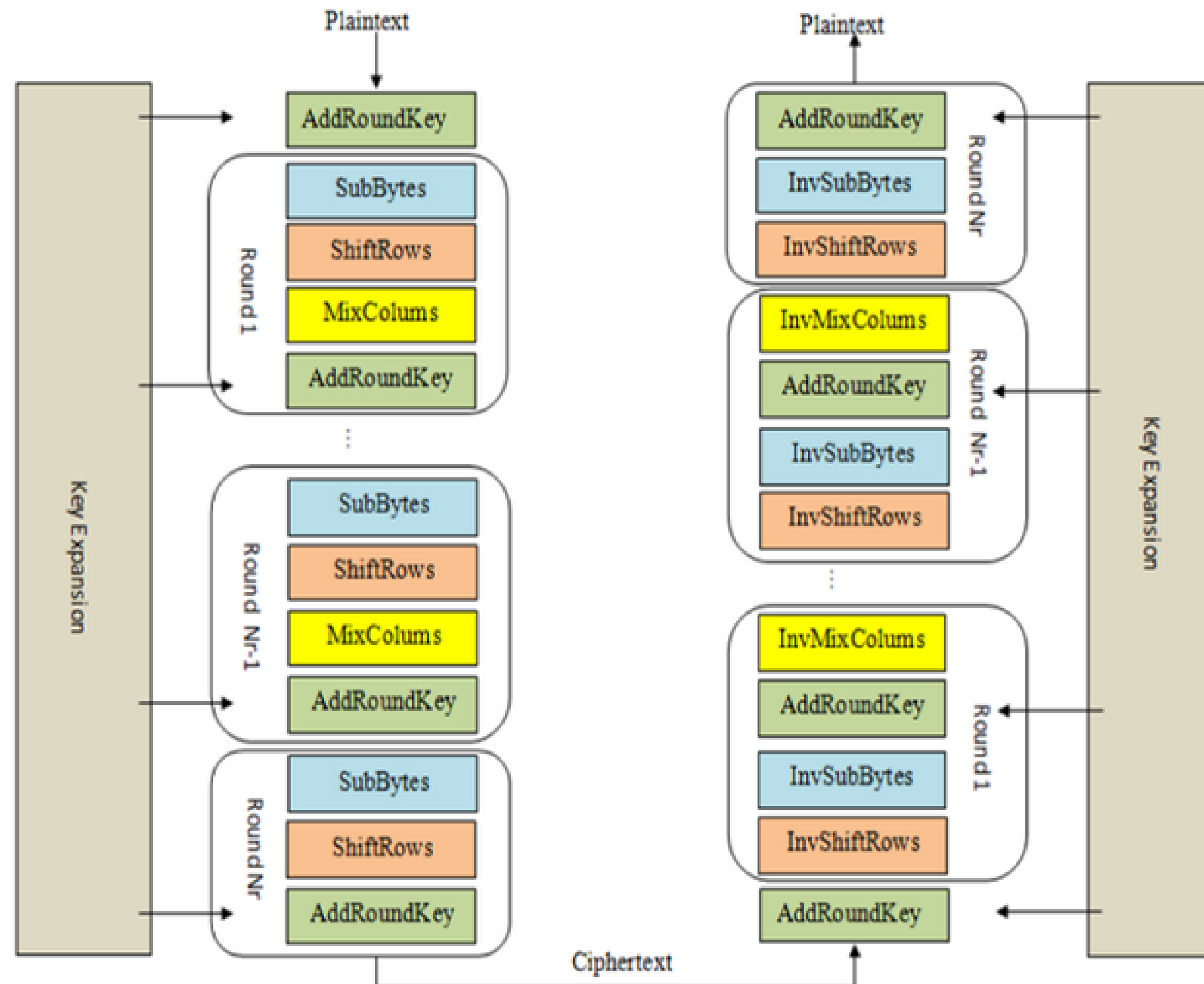
WORKING OF RF COMMUNICATION



Algorithm

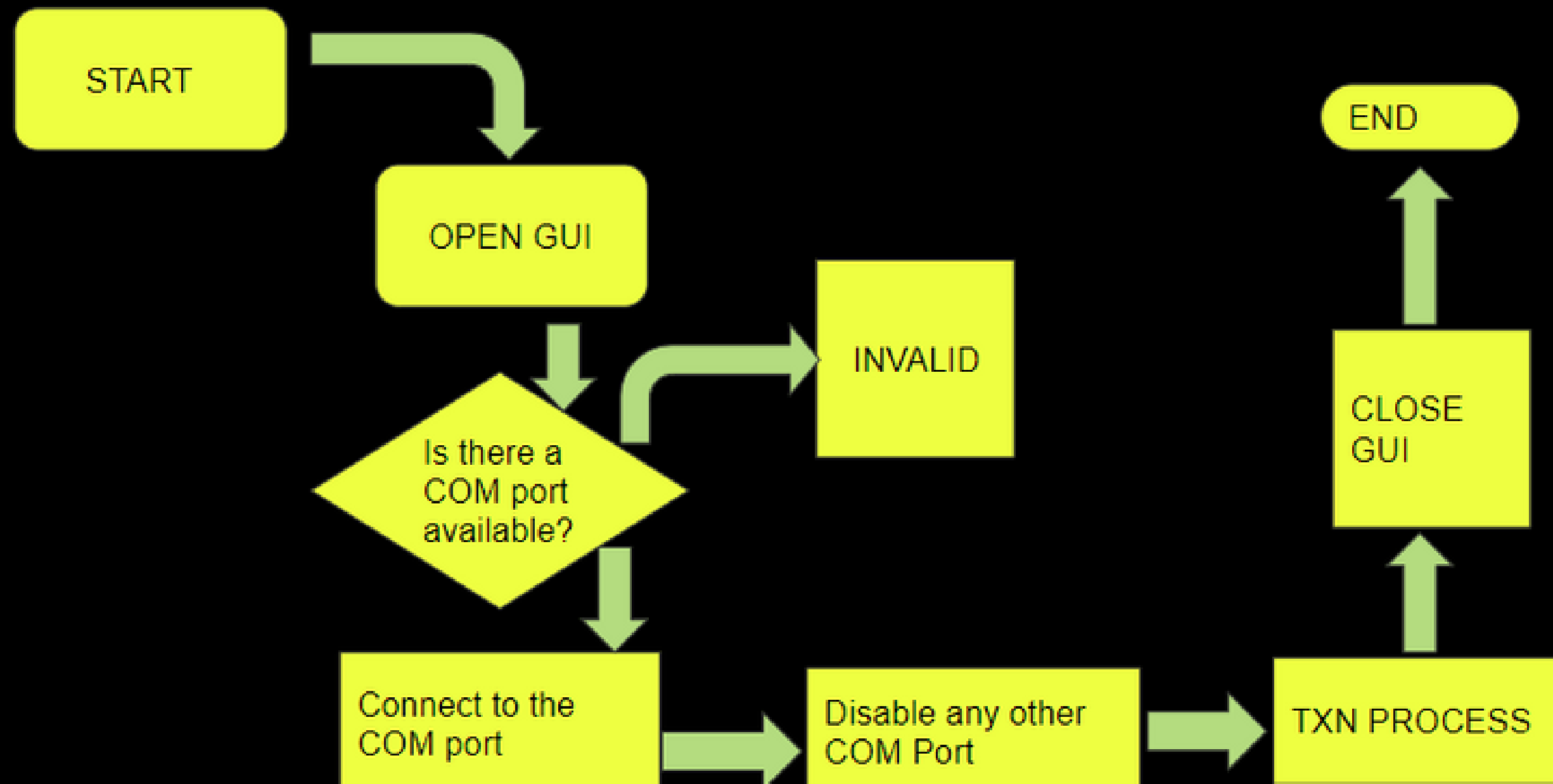


AES
ADVANCED
ENCRYPTION
STANDARD

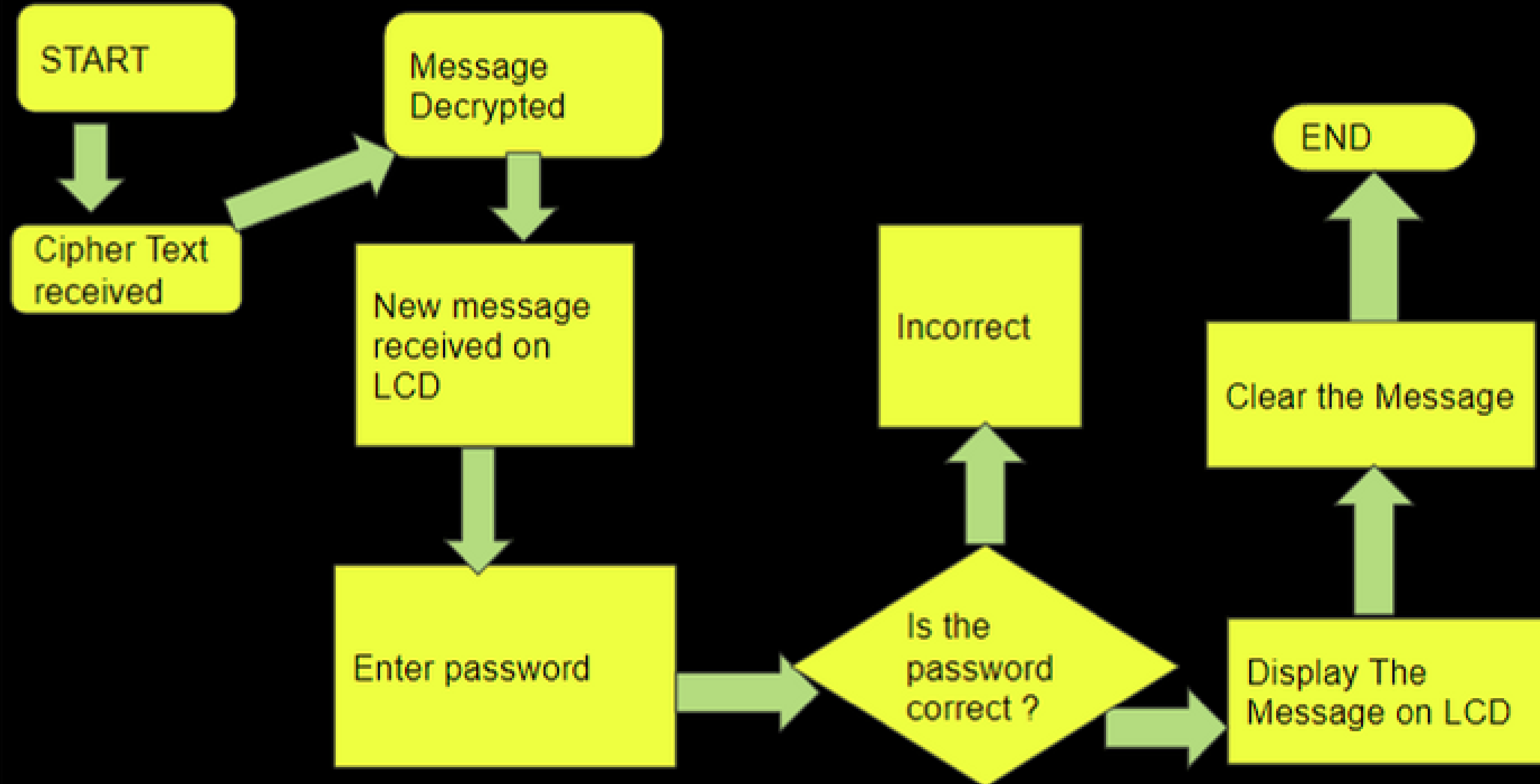


Block diagram

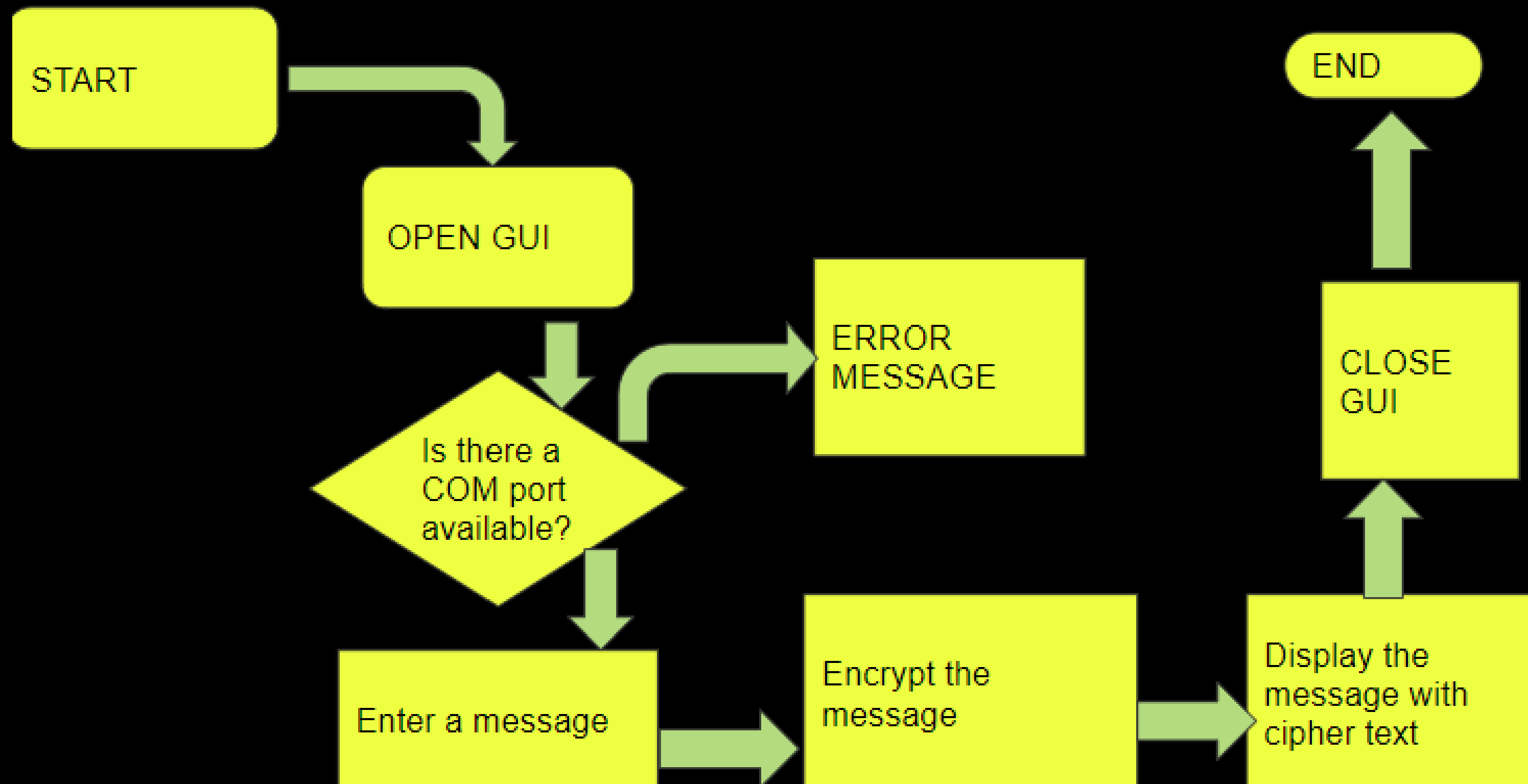
GUI Flowchart



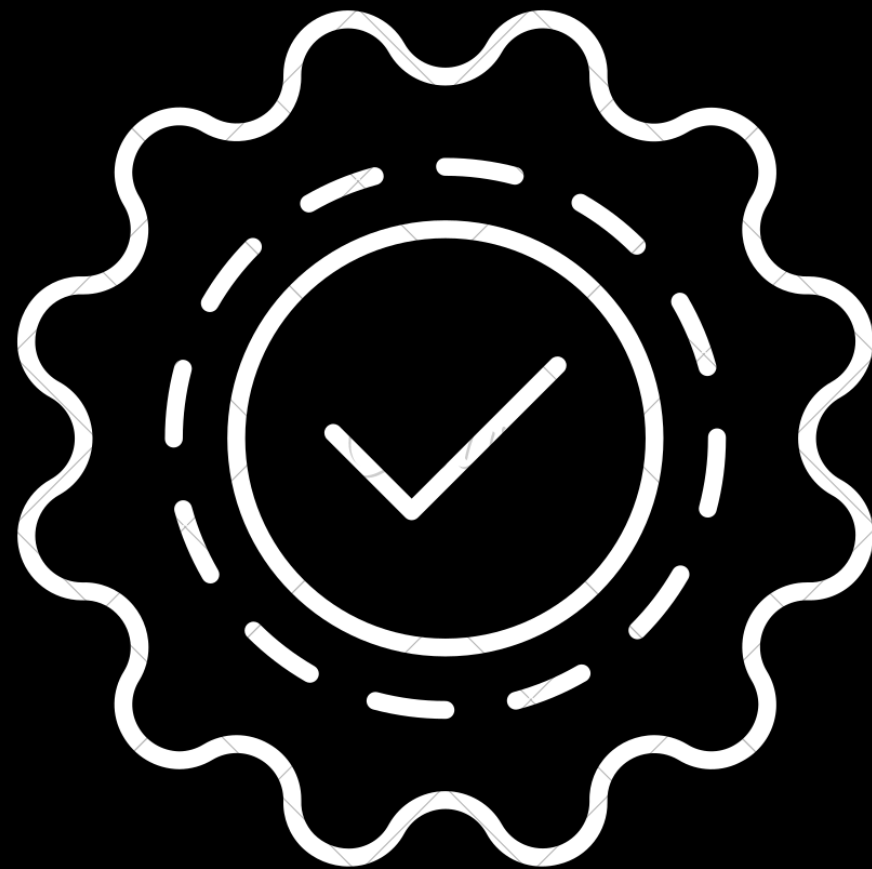
Receiver Flowchart



Transmitter Flowchart



Advantages



- Protect customer data.
- Protect intellectual property.
- Shield internal communication

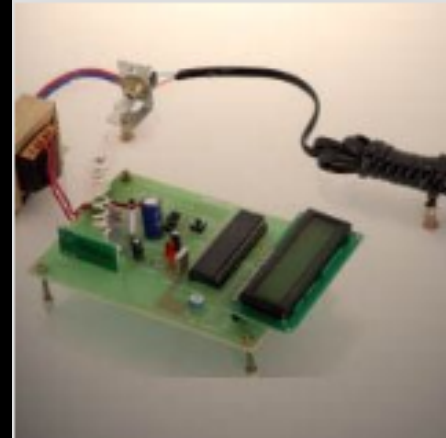
APPLICATIONS 🔍



- Military Operations.
- At Airport.
- Air Force.

Reference

<https://www.iosrjen.org/Papers/Conf.ICIATE-2018/Volume-9/17-83-86.pdf>



RF Secure Coded Communication Project

Enables users to send secret codes by entering messages through computer keyboard and rf...

 Nevon Projects / Jul 17, 2018



Wireless monitoring systems are currently a common part of both industrial and domestic solutions. In case o...
Implementation of Secure Communication via the RF Module for Data Acquisition

website - Jun 13, 2019



Secret Code Enabled Secure Communication Using RF Technology

The project is designed to send secured message by using a secret code from a computer keyboard connected to the transmitting unit via RF technology. The

THANK
YOU