

# Wireless Smart card reader

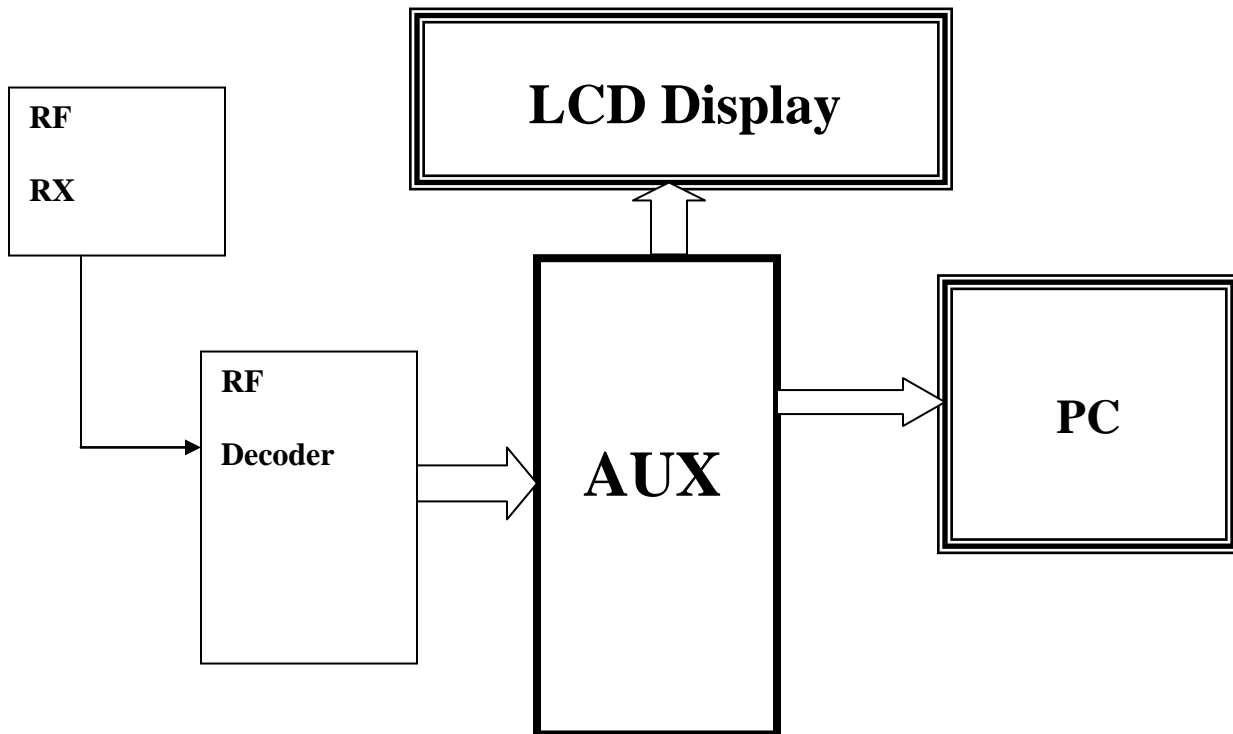
**Aim:** This is used to Read the id from all employees using wireless communication.

**Description:**

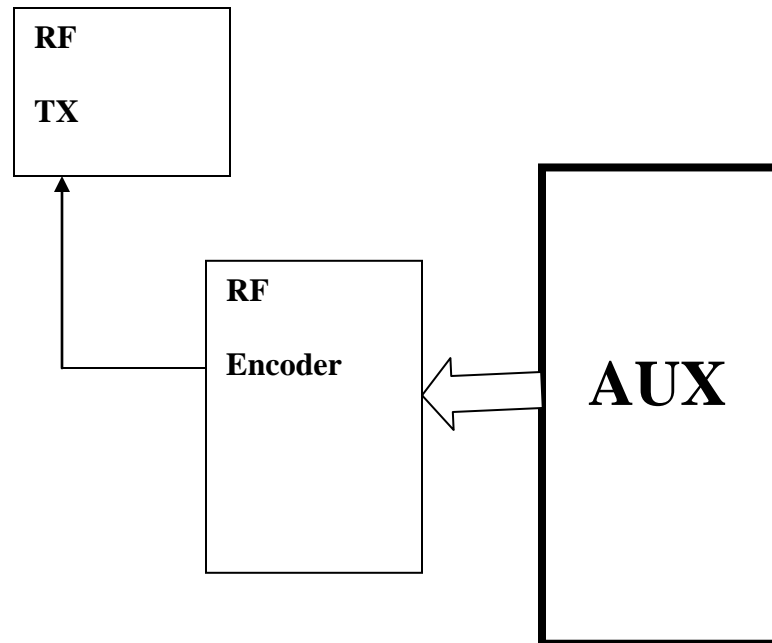
Main Use of this Project is to Read ID From Employee then to process whether this id is enabled here or not. When it is enabled it will automatically open the door and it will enter the time of incoming and outgoing.

The Microcontroller is connected with LCD and RF receiver circuits. The PC will calculate the Time, day and control from the data and display on the LCD. This system will support only two feet distance only.

**Block Diagram of Receiver Kit:**



## RF ID Transmitter:



This system consists of RF ID transmitter.

Here we have to add the employee ID only.

It will always send the data to remote place using RF communication.

It will encode the data and send to receiver place. The receiver will decode then it will compare whether this ID is pre-defined or not.

Application of Smart Card:

- 1) Attendance systems
- 2) Automatic Door open system
- 3) Security for data transmission using encoding and decoding algorithm.

## Features of project:

- 1) Read any kind of object to read the location.
- 2) Read current data of all object.
- 3) Store and maintain all data to very easy.