

## WIRELESS MULTI SENSING RF ID SYSTEMS

**Aim:** To Read RF ID, location Reader and sense the moving objects then sends the data to RF ID Reader or sends the data to GSM to PC with Mapping.

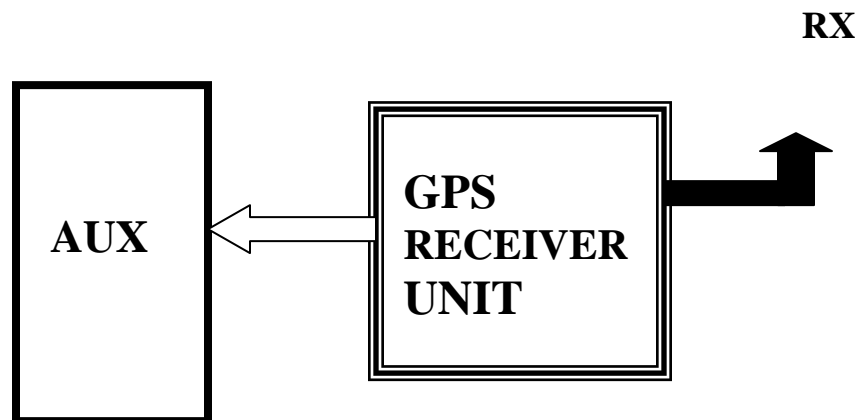
**Description:**

### Wireless Multi Sensing RF ID.

- ◆ GPS unit
- ◆ GSM Unit
- ◆ RF ID Reader
- ◆ Moving Object Unit
- ◆ PC mapping and Data Base Unit

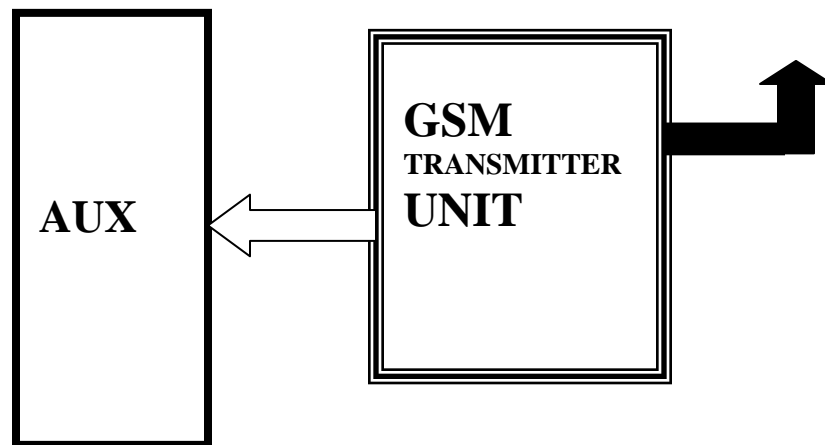
### GPS unit:

Main Use of this Project is to Read the location of the any object and send to RF ID or GSM to PC Using RF Communication.



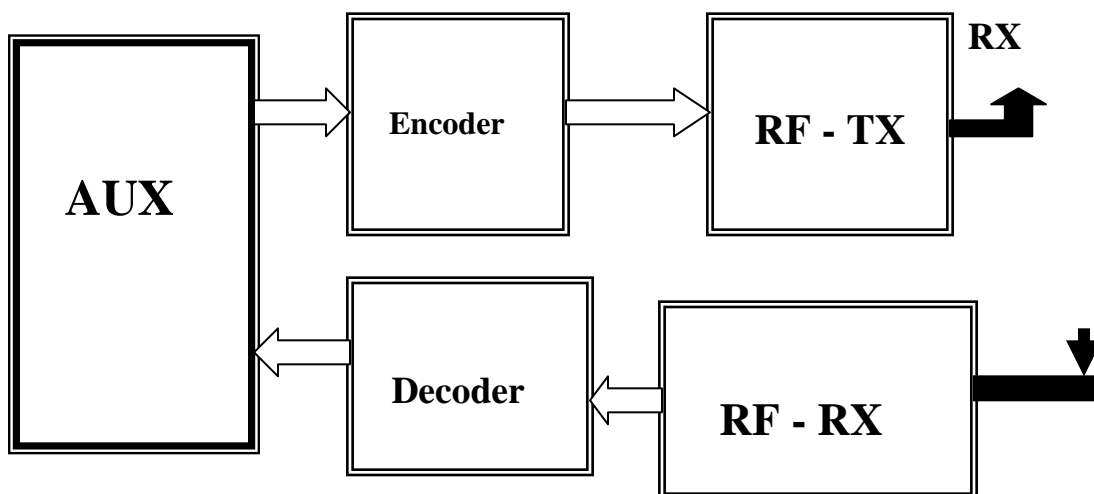
## GSM Unit:

If the Systems or RF ID Reader is on not reachable Distance, then it will send the data in to GSM to PC Using Fbus Protocol. It will support long distance of data communication.



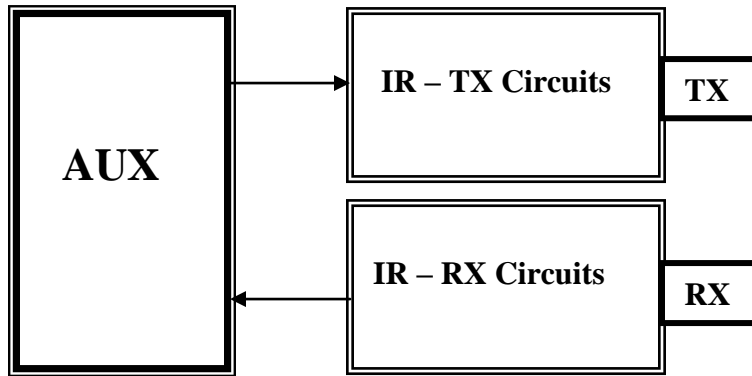
## RF ID Reader:

The main heart of the system is RF ID. Which is used to receive all data from Vehicle, Employee Tag, Shopping Reader, and Moving object reader.



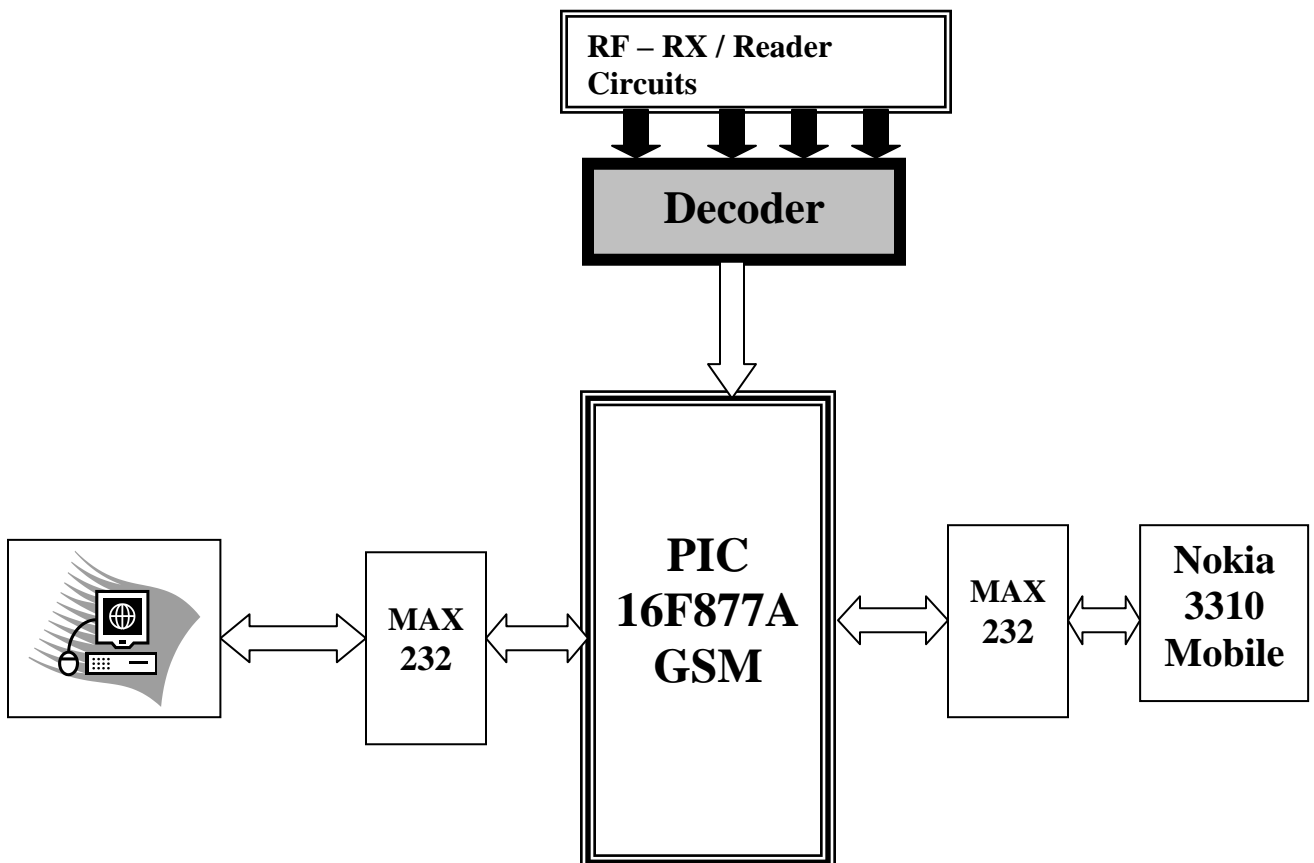
### Moving Object Unit:

This Unit consists of IR Transmitter and Receiver Circuits. It will detect only the Moving Objects with Current location through GPS and send the data to GSM or RF ID to PC.



### PC mapping and Data Base Unit:

This unit will receive RF ID or GSM data and Send to the PC. This process is called receiving sms. The all data will store in PC.



## **Protocol:**

- ◆ F-bus
- ◆ Rs-232
- ◆ GSM –AT and (F bus)
- ◆ GPS - AT

## **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.