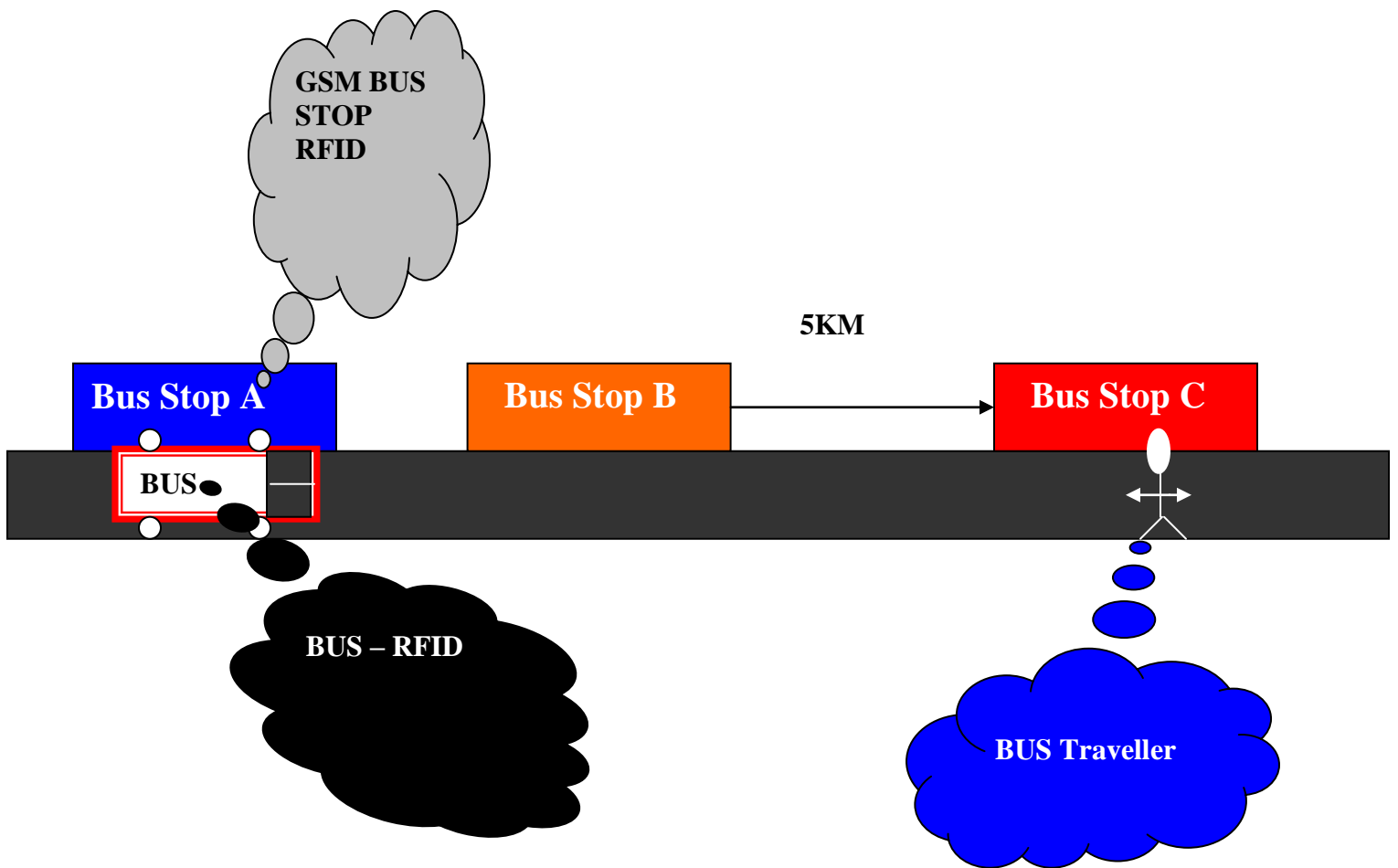


INTELLIGENT GSM CARE FOR BUS FINDING SYSTEM

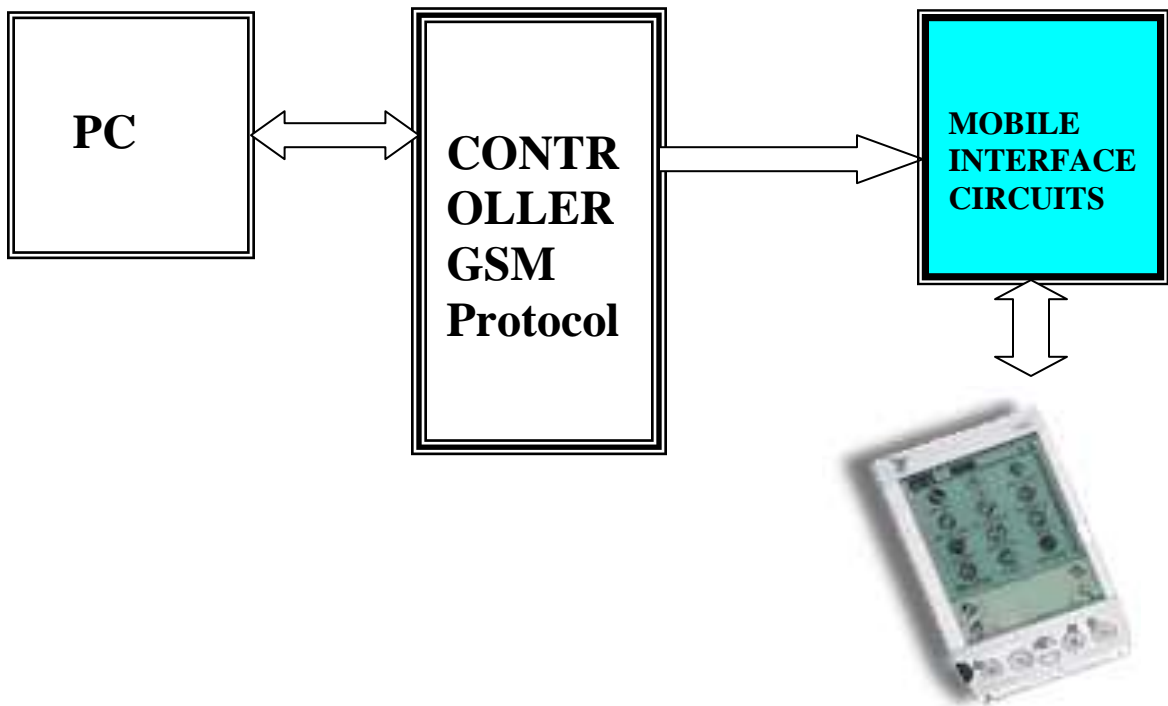
AIM: This system is mainly used to find the customer needs of to find the Bus from current time onwards and measure the distance where it's coming and how long it will reach here using GSM mobile communication in a flexible way.

Block Diagram:



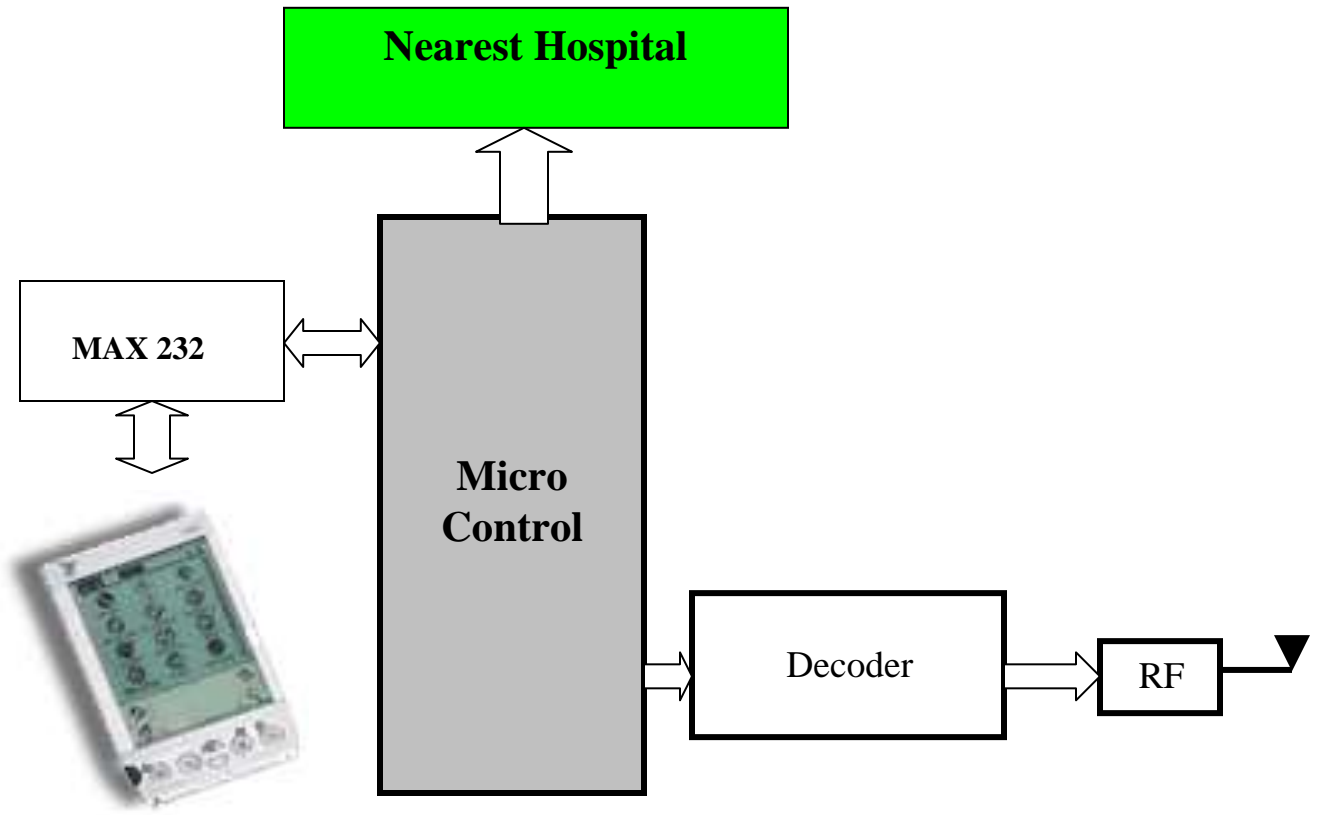
Circuit Block Diagram:

Customer Care Unit:

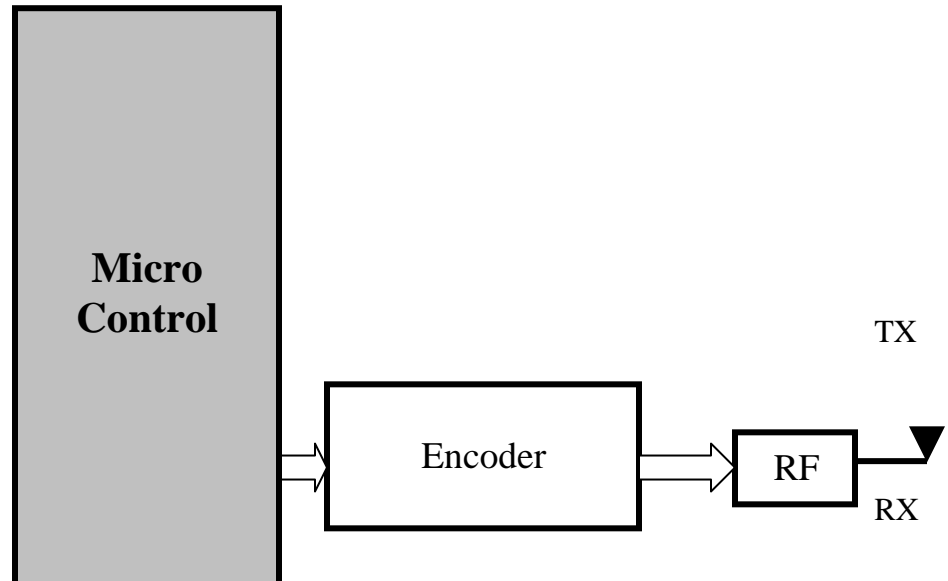


Always it will receive data from Bus to save data base and reply to particular customer.

GSM RF -ID Based BUS Stop:



RF-ID BUS:



This system is divided into two different modules,

- 1) Path Finding for customer
- 2) GSM Bus number Search engine

1. Path Finding for customer

Description:

This system is divided into three modules,

- 1) GSM- Fbus protocols,
- 2) Path mapping
- 3) Control and Display unit

It will send all detail of our path mapping to all customers,

The customer has to send the SMS to current place name, and

Where you want to go.

This system will detect and auto reply to distance of the place, bus number and angle of the place also.

This communication will under the Fbus protocol using SMS protocols.

2. GSM Bus number Search engine

1. Functioning over view of System:

*The customer sends the message to the customer care center. This message should contain the particular valid code.

- 1) Bus stop Name (Source name)
- 2) Bus Number /Destination Name

*Customer care Kit checks the database from GSM System KIT and interconnected GSM BUS.

*If the particular bus is available then the Bus STOP will read the bus name Through RFID when it will reach the particular bus stop then it will send the below given details to the customer care.

PART I

1. Bus Name. (Destination Name)
2. Time Arrival.

*Finally the customer care find data from data base what it's received from bus than its makes contact with the customer and delivers the SMS to Bus Number, what time the particular bus will reach there or not.

The customer sends the message to the customer care center or kit. This message should contain the particular valid code through RS232 serial communication Using Fbus protocols, then to read all data from mobile and send into PC using RS232 communication via MAX232 IC. Then it's stored into PC using DB.

If no communication from bus then care will send Error message to travelers.

Find Hospital Name & address:

If send Source Name and H
Automatically the server will reply nearest Hospital to Your mobile.

Find Petrol Bunk:

If send Source Name and P
Automatically the server will reply nearest Petrol Bunk to Your mobile.

Find Ticket Cost:

If send Source Name and Destination Name T
Automatically the server will reply Cost of Travel to Your mobile.

2. Overview of Projects

This system is divided into six modules,

- 4) **GSM- Fbus protocols,**
- 5) **Path mapping**
- 6) **Control and Display unit**
- 7) **Customer.**
- 8) **Customer Care.**

3. RF

4. I/O Control System:

- 1) I/O port Communication
- 2) RS232 Communication
- 3) RF 4 bit Data Communication

5. Data Base:

- 1) Source Name
- 2) Enter Source Place Name
- 3) Enter Destination Place Name
- 4) Distance
- 5) Angle
- 6) Bus Number
- 7) Time
- 8) Hospital Name address
- 9) Petrol bunk Name Address
- 10) Ticket cost

