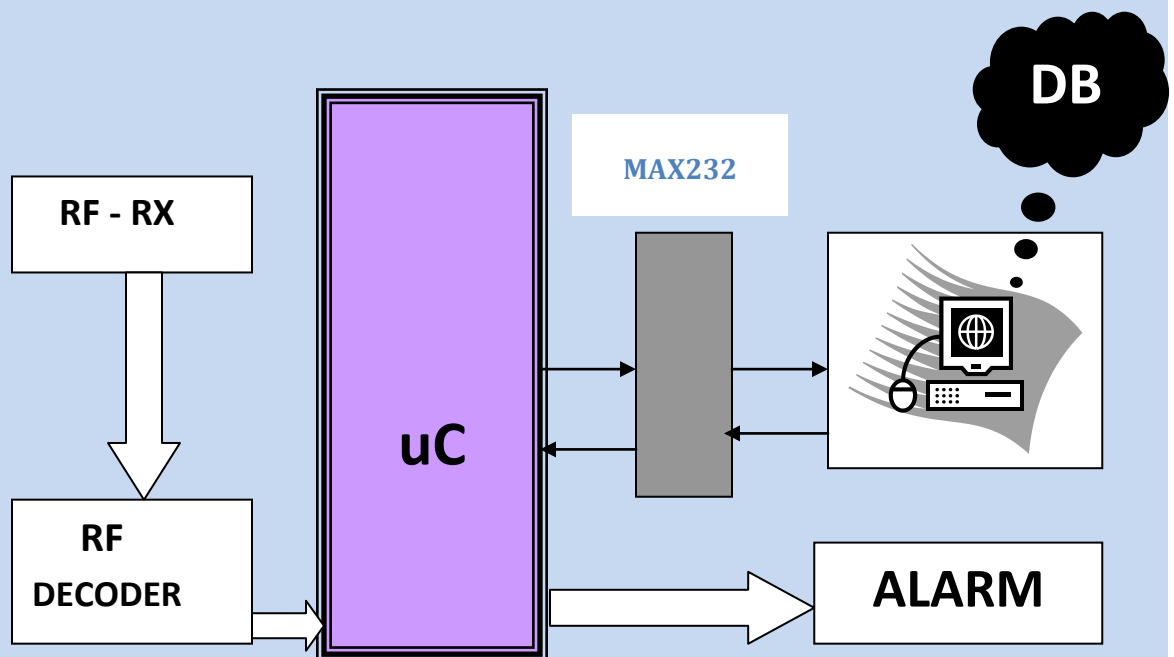


# WIRELESS TUNNEL MONITORING SYSTEM

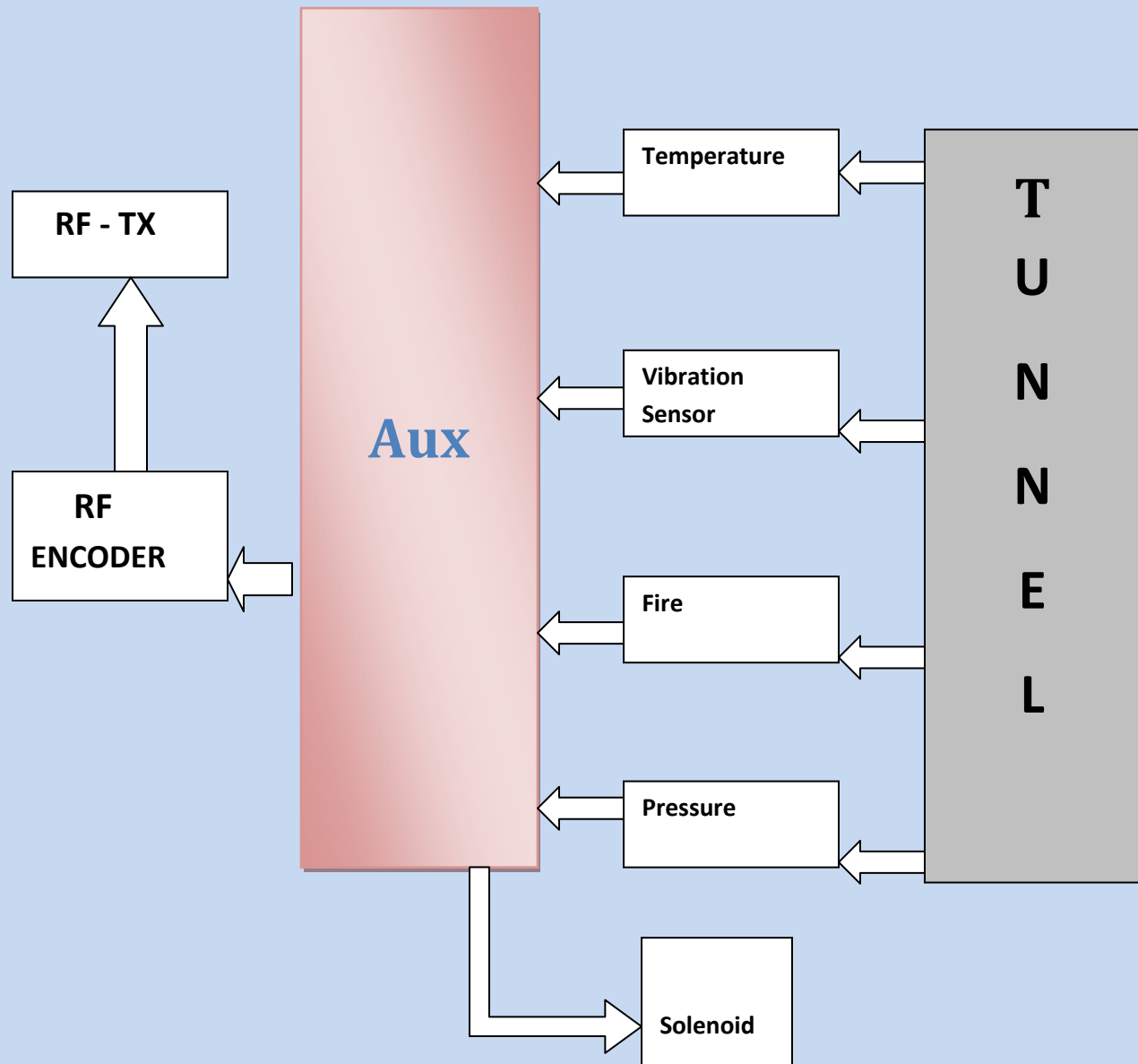
## ***Aim:***

This system is used to monitoring and controlling the tunnel and giving the status to PC using Wireless Communication.

## **PC Data Base Module:**



## Tunnel module



### ***Description:***

This Monitoring and Control system having three different modules,

- 1) Read Status of tunnel
- 2) RF
- 3) PC -Data Base Storage System

# Wireless Control System

## **1) Controller for RF and tunnel monitoring**

This is divided into two different modules,

- a) Serial Communication
- b) Driver solenoid
- c) RF Communication

## **2) PC:**

This is divided into three modules,

- a) RS232 communication,
- b) Display module
- c) Data Base Storage System

## **Advantage of these Systems:**

- 1) Less cost to communicate
- 2) Less power to automate
- 3) High safety for tunnels

## **Feature of these system:**

- 1. Monitoring the tunnel parameters such as temperature, fire and pressure ensures more safety for the tunnel
- 2. Use of RF technology for communication enhances monitoring from out side the tunnel
- 3. Core of this project is to save the **precious life of human** before entering in to the tunnel