

# VEHICLE ACCIDENT EMERGENCY ALERT SYSTEM

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# TEAM NAME: REBOOT\_REBELS



## TEAM MEMBERS:

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# PROBLEM TO BE SOLVED

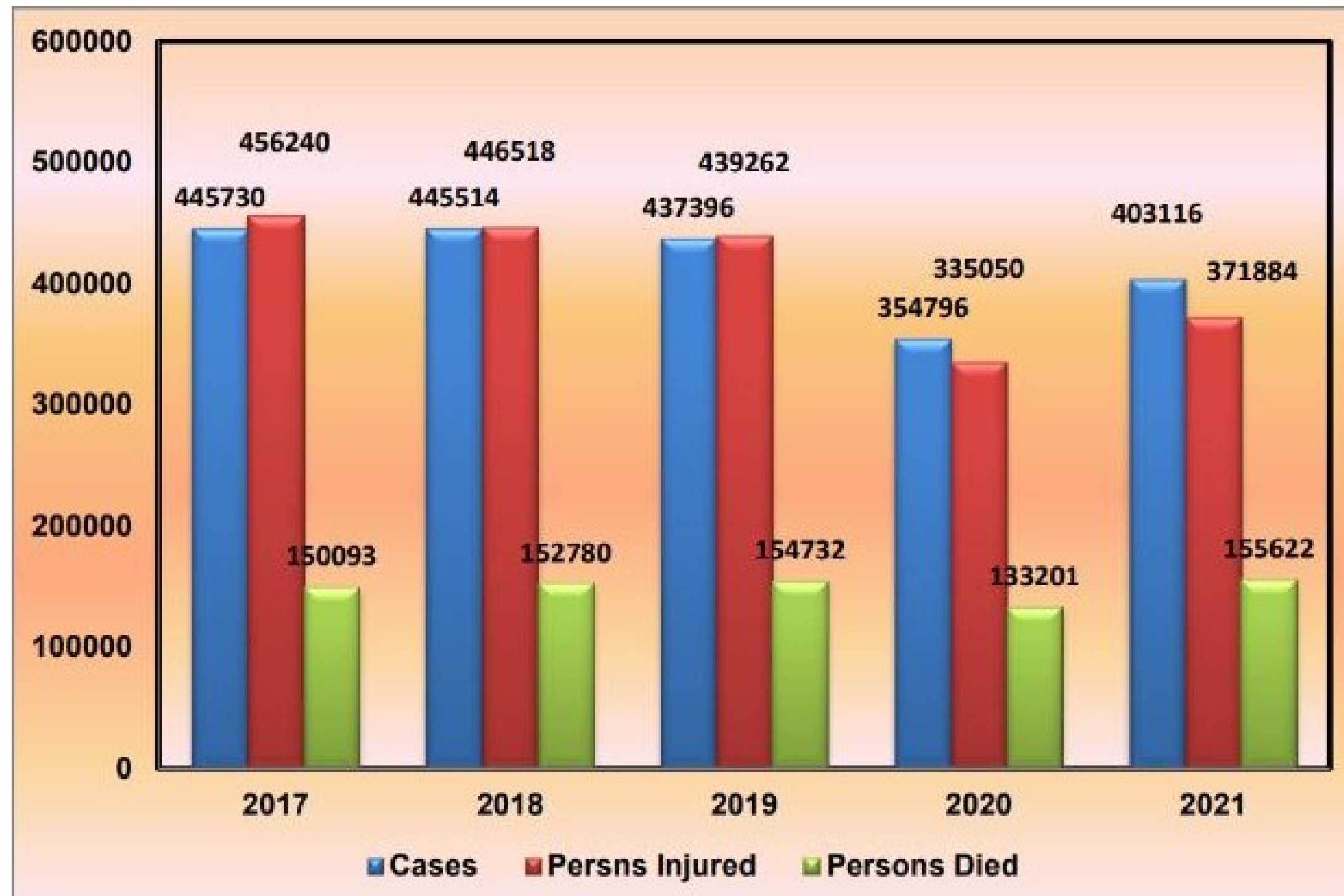
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Many accident victims pass away because they do not receive timely medical aid. This is often due to a delay in reaching the hospital, which can happen for various reasons such as people not informing the authorities. A system that automatically alerts hospitals and other emergency services in the event of an accident could help to reduce this delay and improve the chances of survival for victims.

# STATISTICS

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AS PER THE DATA COLLECTED,



SOURCE:-  
[HTTPS://NCRB.GOV.IN/SITES/DE  
FAULT/FILES/ADSI-  
2021/ADSI2021\\_CHAPTER-1A-  
TRAFFIC-ACCIDENTS.PDF\\_\\_](https://ncrb.gov.in/sites/default/files/ADSI-2021/ADSI2021_CHAPTER-1A-TRAFFIC-ACCIDENTS.PDF__)



# SOLUTION

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WE HAVE DESIGNED A STANDALONE EMBEDDED SYSTEM USING PIC16F72 (MICROCHIP MICROCONTROLLER) WITH PERSON INPUT SUCH AS :-

- EMERGENCY PUSH BUTTON

AND OTHER VEHICLE ALERT INPUTS SUCH AS:-

- FIRE SENSING
- GLASS BREAKING
- VIBRATION MONITORING
- ACTIVATION OF AIRBAGS

THE SYSTEM USES GSM MODULE TO TRANSMIT EMERGENCY ALERT TO THE AUTHORITIES.

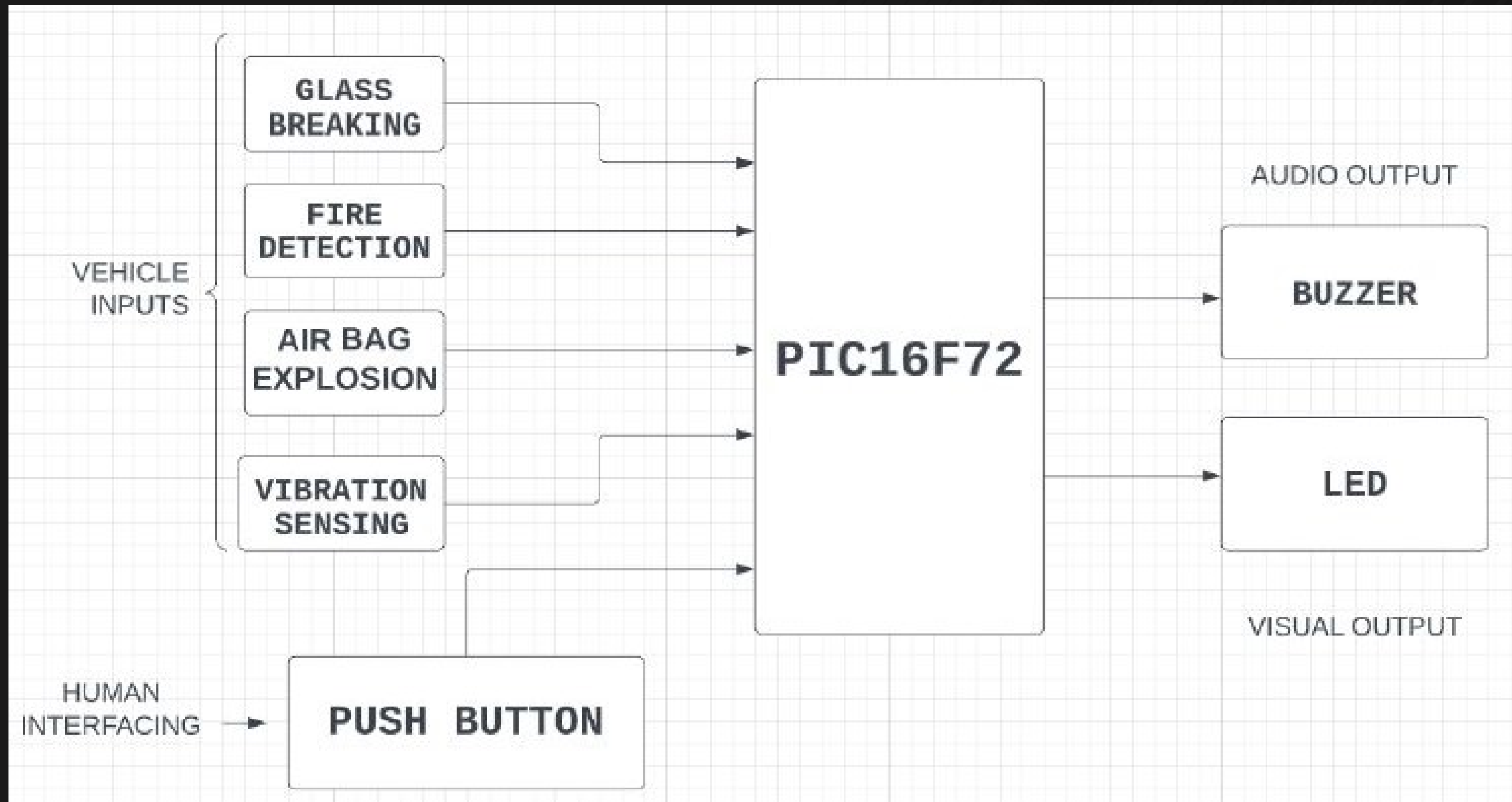
## ADVANTAGES

- Quick response
- Enhanced safety
- Reliability

## DISADVANTAGES

- False alarms

# BLOCK DIAGRAM







# THANK YOU

