



The background features abstract geometric shapes: yellow and white diagonal stripes in the top corners, a yellow circle at the bottom left, a yellow circle at the bottom right, and a grid of grey 'X' marks on the right side. The central text is surrounded by small grey dots at the bottom.

# SMART HELMET **TEAM-** **GEEKSPING**

# FATAL ERRORS

■ Killed ■ Previously Injured

Not wearing helmet



Not wearing seatbelt



# NEED...

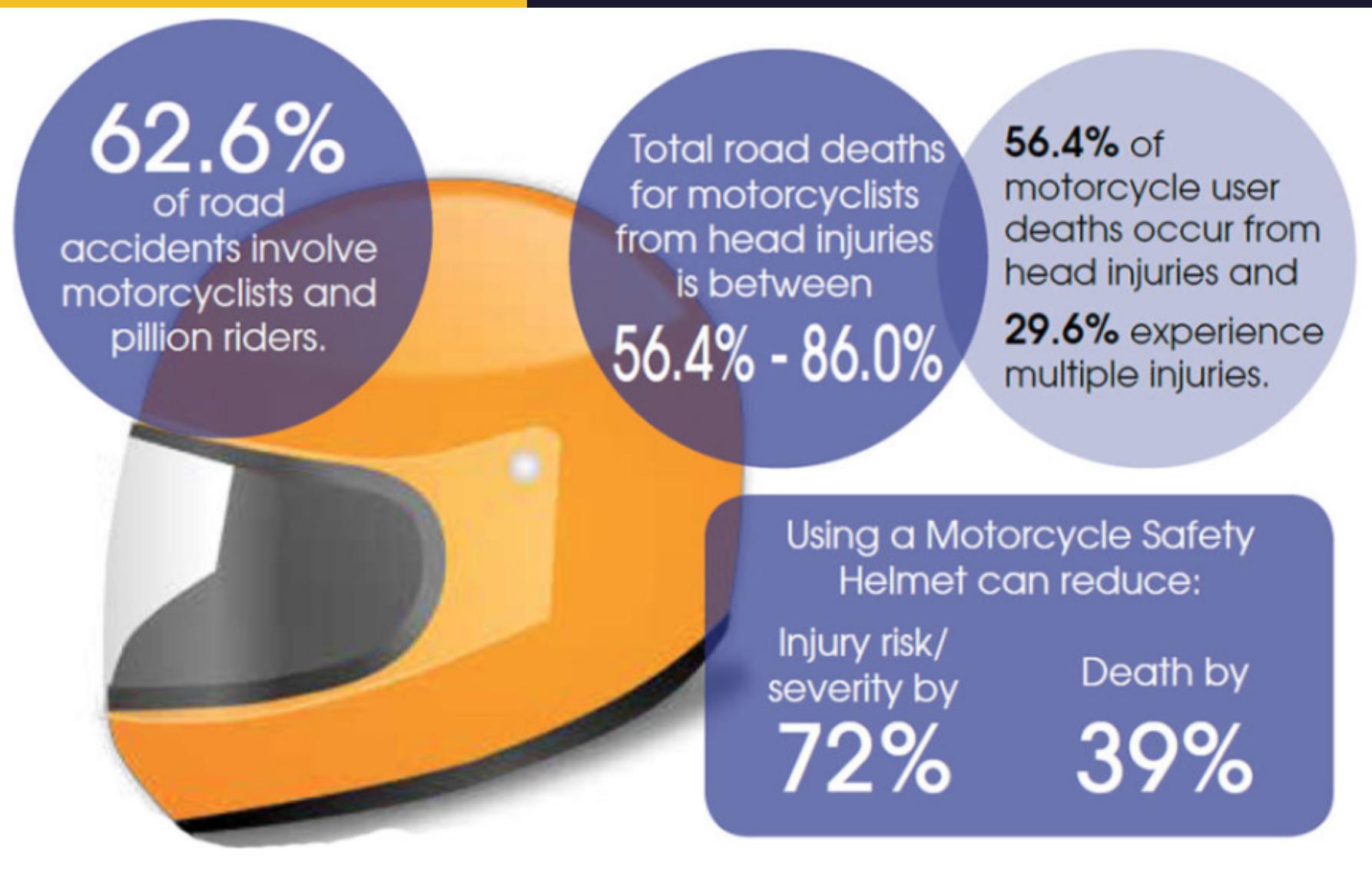


**62.6%**  
of road  
accidents involve  
motorcyclists and  
pillion riders.

Total road deaths  
for motorcyclists  
from head injuries  
is between  
**56.4% - 86.0%**

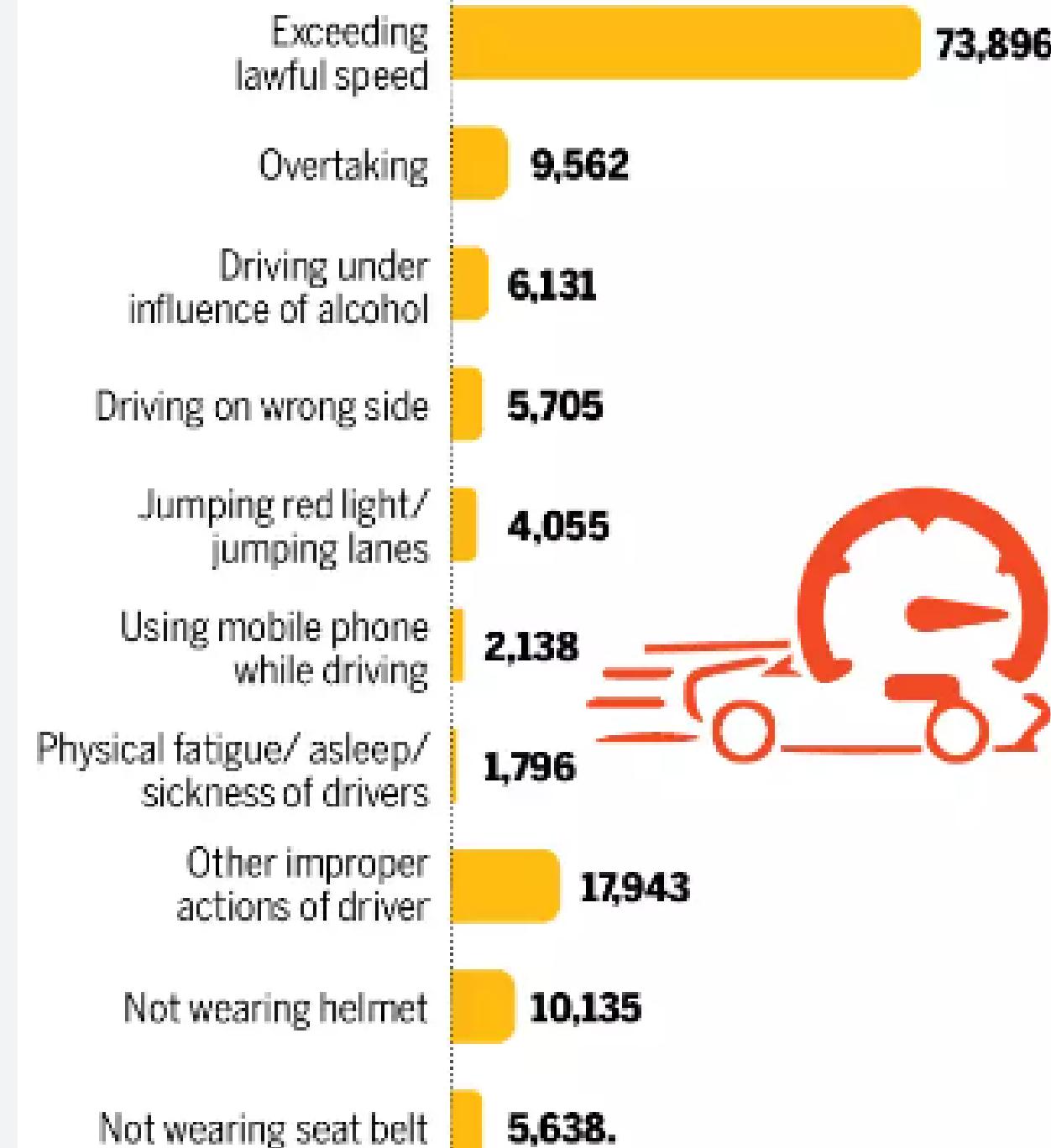
**56.4%** of  
motorcycle user  
deaths occur from  
head injuries and  
**29.6%** experience  
multiple injuries.

Using a Motorcycle Safety  
Helmet can reduce:  
Injury risk/  
severity by  
**72%**      Death by  
**39%**



# OVERSPEEDING THE LEADING KILLER ON INDIAN ROADS

Causes No. of people killed (Figures for 2016)



Source: Ministry of Road Transport and Highways

TOI FOR MORE INFOGRAPHICS DOWNLOAD TIMESOFINDIA APP



# NECESSITY



## Helmet versus non-helmet injuries

Crash records for the two months since Michigan's helmet ban was lifted show motorcyclists without helmets were more likely to be seriously injured or killed.

NO HELMET: 129

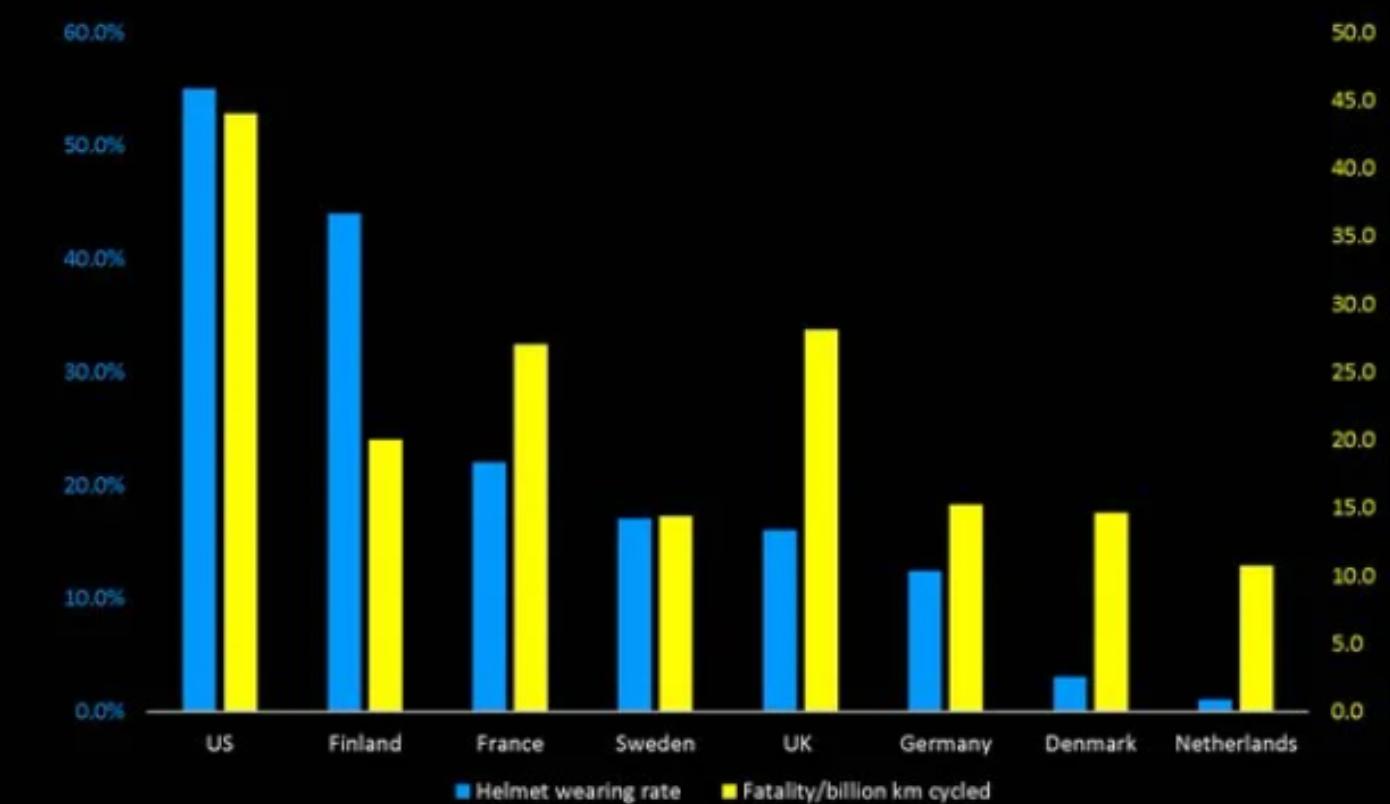


HELMETED: 525



Any non-fatal injury which prevents normal activities and generally requires hospitalization.  
Injury not incapacitating but evident to others at the scene.  
but complaint of pain or momentary unconsciousness.

## Cyclist's Helmet Use and Fatality Rate by Country



# THE IDEA

THE IDEA IS TO MAKE  
A SMART WEARABLE WHICH  
COULD DETECT ACCIDENTS  
AND ALERT THE VICTIM'S  
FRIEND AND HOSPITAL  
IMMEDIATELY





# FEATURES

Here are some of the features of Smart Helmet which makes it better than others

## Rash Driving

Will give alert on exceeding speed limit

## Prevent Road Accidents

The helmet would relay the location and time of the incident to your emergency contact

## Drunken Driving

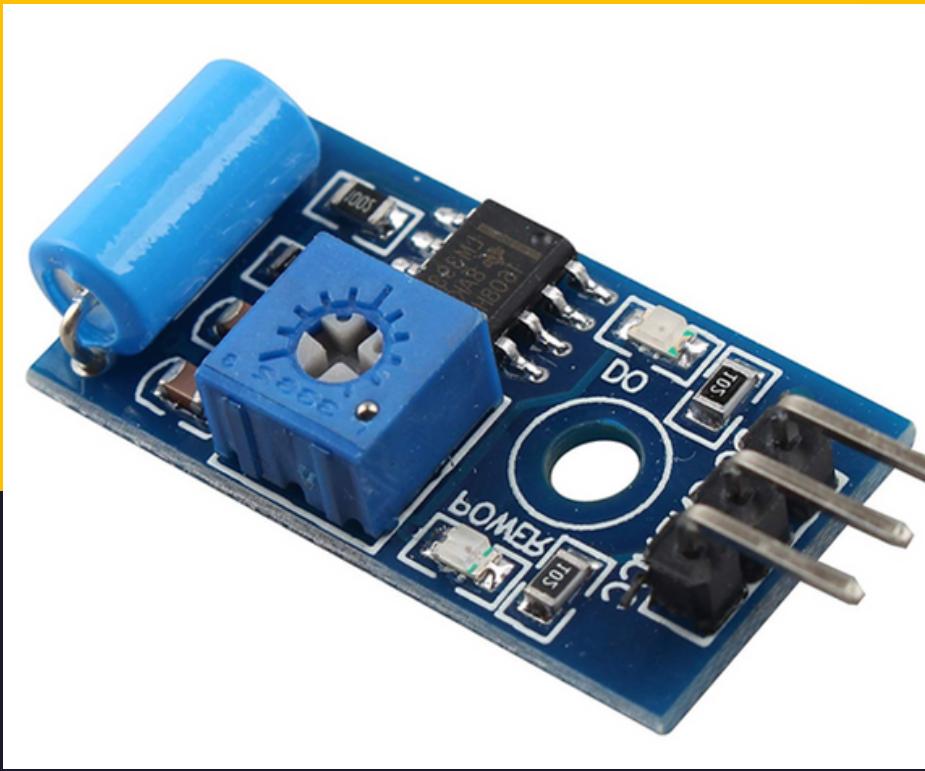
The helmet will stop the rider from riding the vehicle in case the person is drunk

## SOS

In case of trouble ,will send SOS to your emergency contact

## Smoke Detection

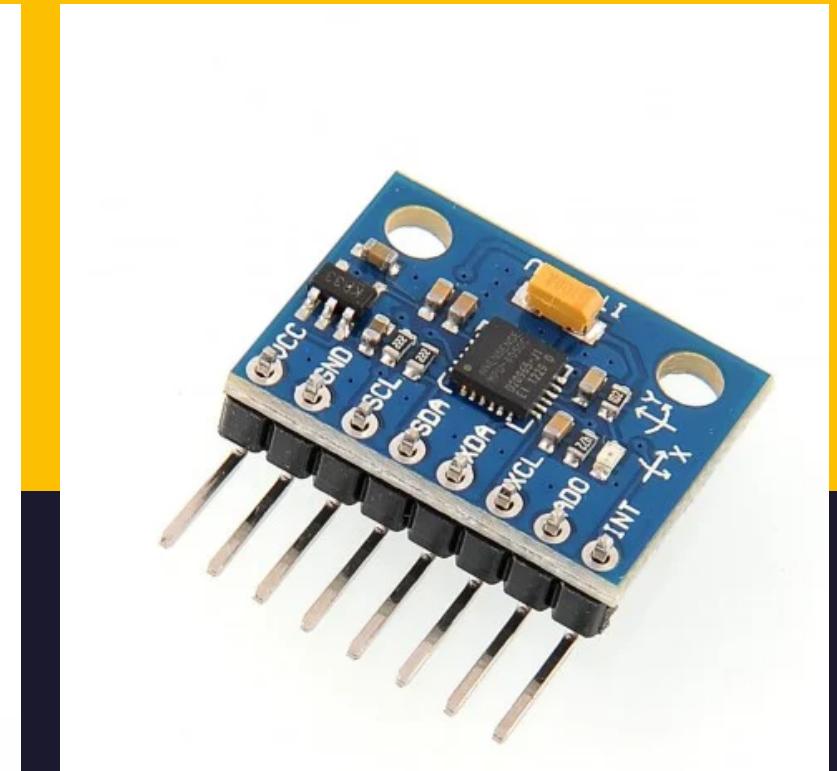
Will detect whether the rider is smoking or not and will stop in case of smoking



Vibration  
Sensor



Alcohol Sensor

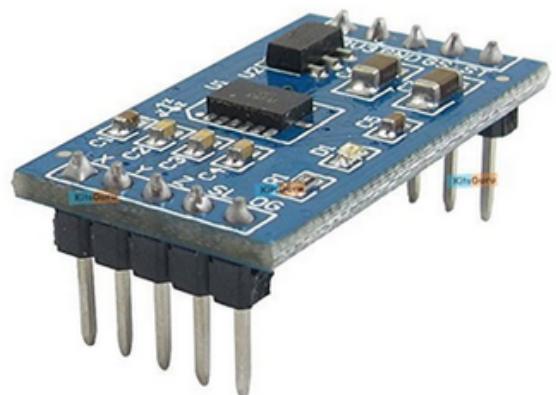


Gyroscope

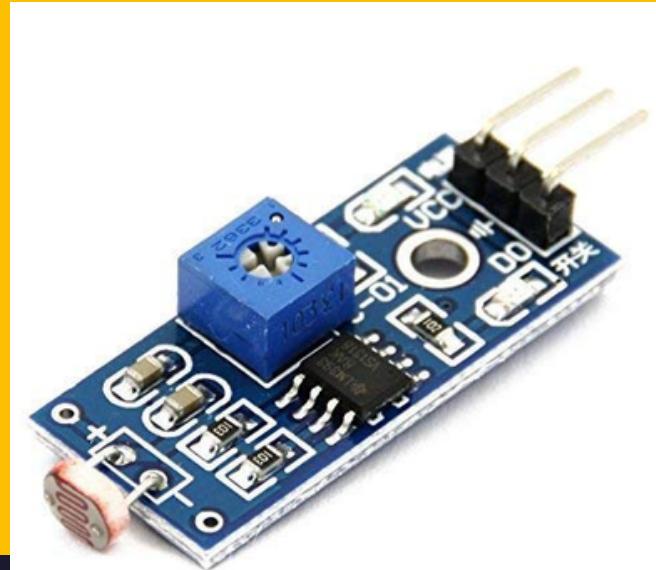


GSM Module

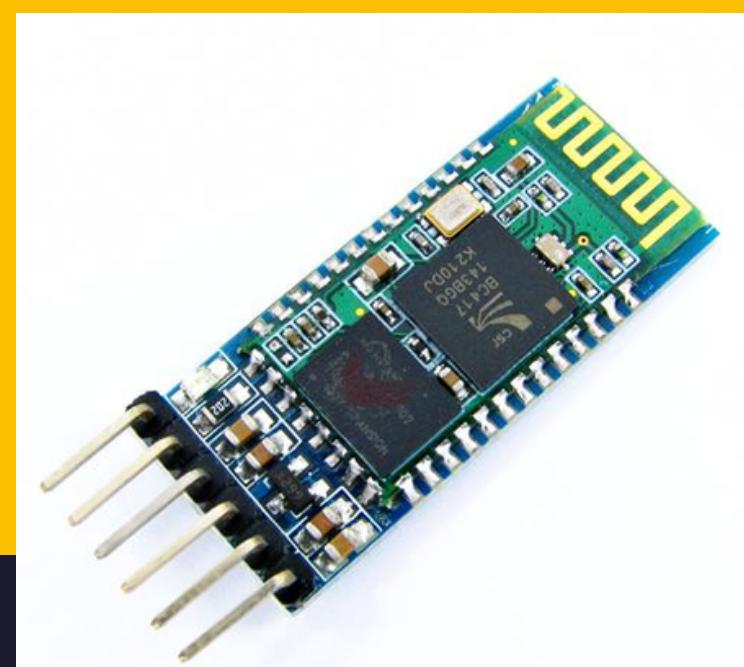
# MODULES INTEGRATED



Accelerometer



LDR Brightness  
sensor



Bluetooth  
Sensor



Touch Sensor



Smoke Sensor

# MODULES INTEGRATED

# OUR TEAM



Gurpreet Kaur



Nivedita Rai



Manisha Maurya



Anuj



Vivek

**THANK YOU**