

## ABSTRACT

Monitoring is an action to keep conditions in good condition. There are several forms of the monitoring in daily life when driving using a car such as private or public. The driving rules already exist and have been determined, that everyone who drives both as a passenger and driver must use a seat belt, another thing from driving monitoring is maintaining air quality in the car to stay healthy. With these conditions we made a monitoring system in the car for the use of seat belts and air quality in the car.

This system works with sensors and a smartphone that is controlled by the driver. This system will detect the situation around the chair if there is someone sitting, the driver can find out like a warning and a sound that lights up on the driver's smartphone, therefore the driver will remind passengers to wear their seat belts. When driving, the sensor can detect the state of the air in the car whether good or bad, air quality sensors include Celsius and Fahrenheit and the detection of dust packaged and displayed with application. This driving monitoring system can be used in daily life by the driver which takes passengers in turns like a taxi, this application has scope for 4 seats in a car in its development.

**Keywords:** Iot, android, safety belt, temperature sensor, dust sensor