

ABSTRACT

Driver safety is something that companies need to pay attention to. The fleet and its drives are two of the most important resources owned by companies in the transportation industry. Various attempts from the company to find out the condition of the driver by embarrassing vehicle monitoring and regular maintance. By monitoring the condition of the vehicle, the company can find out the condition of the driver which will have an impact in reducing the aacident rate.

In this study, an Internet Of Things based monitoring system is proposed to monitor and analyze vehicle status and detect potential faults using information taken from on board diagnostic On Board Diagnostic. Then the data taken from On Board Diagnostic will be displayed using a raspberry pi with the web server method as a monitoring tool.

The results of tests that have been carried out, the system can process data and successfully stored in the database. The data sent is in the form of parameters detected by On Board Diagnostic, then collected on the web server database. The data will be updated in the database every time the data is sent, with manual deletion of data. The parameters displayed on the web server are Engine Speed (Rpm), Speed (Kmj), Radiator Temperature (°C), Throttle Position (%) and provide 10 coordinates to determine the travel point of the fleet.

Keywords : *Internet Of Things, On Board Diagnostic, Raspberry Pi, web server, Data Base.*