ABSTRACT

Fuel consumption and age of an automatic are very affected by driver's behaqviour towaed the vehicle. In driving vehicle, driver must calibrate between engine rotation, persnelling which is used velocity of vehicle, and the paths. A problem that usually happen is driver's carelessness to those three things. Thus will lead to lavish fuel consumption and components of vehicle engine will be timeworn faster.

To find out about engine rotation level, we can use tachometer. While to check velocity, we can use speedometer. Both of them are placed in dashboard of vehicle, and can only be read by driver. In a transportation company, such as autobus company , a tool to check how a driver use the vehicle is required. It can simplify the maintenance process. Thus, a tool that can check engine condition, especially bus, by real time process, is required.

In this final project, we make a prototype of a system which can check engine rotation and vehicle velocity.

Keywords : velocity, engine rotation, mikrokontroller