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Vehicle To Vehicle Communication Using LiFi Technology

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Abstract: *The goal of the project is to reduce the consequences of accidents in our daily lives and to prevent automobile collisions. There are a variety of reasons for such a bad situation that leads to death or disability. This involves a driver's rapid lack of concentration, braking failure, and loss of stability. Li-Fi is an advanced technology. This project is focused on vehicle-to-vehicle communication in order to prevent traffic accidents. We use ultrasonic sensor, vibration sensor, LCD display, Li-Fi transmitter and receiver. In case of an abnormal condition in the front vehicle, the vehicle at the back will be intimated and will slow the speed on the second vehicle. Many automakers are currently focusing on developing automobiles with IoT capabilities, including health care,accident prevention, vehicle safety, driver safety, driver and passenger comfort, vehicle monitoring, etc. In this project we focused on developments in driver's drowsiness and comfort monitoring. If driver is not alert for obstacles or in front of vehicles then the speed of engine will decreased through LIFI technology and the engine speed will slowdown to stop condition and the project having alert system such as buzzer to intimate through sound. This project would be giving in- depth knowledge on recent developments in the field of automotive.*

Keywords: Li-Fi,Led, Bridge rectifier, Motor driver

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