

ABSTRACT

Internet of Things (IoT) offers incipient and exhilarating opportunities to increment the connectivity of contrivances within the abode for the purpose of home automation. Mobile contrivances are ideal in providing a utilizer Interface in a habitation Automation system, due to their portability and their wide range of capabilities. The rate of road accidents in today's world is very high. One of the most critical factors causing these accidents is human error. One such significant error is drowsiness. Hence, Timely warning and precaution can aid in protecting lives. Many systems try to address this problem, by alerting the driver; but fail to address the Traffic department that needs this information the most. Here, the proposed system aims to alert the Driver when in drowsy state and also the Traffic department, to control and evade any plausible accident. Drowsy is the reason for more of the road accidents. Manually tracing the drowsy driver is not an easy task, because every day thousand of vehicles running on the roads. So we need a system that must come with every car and if it detects sleepy driver it must stop the vehicle immediately. In addition to this if the driver is slept the vehicle will be stopped and monitors the heartbeat, temperature of the driver and displays it in the LCD. These two parameters are very important because it shows the body status of the driver. These parameters are monitored manually and in case of emergency information send to the rescue team.