

1. Fabrication of Intelligent Reverse Braking System.

Abstract—

Braking is nothing but bringing a moving vehicle or moving body to a stop. Now-a-days safety is become important aspects of automobile industries. And automation is the key which keep the safety at our fingers. In other words, an unskilled or less experienced can handle the automobile vehicle with greater safety. Various accidents happen with the automobile vehicles which cause serious injury, and inefficient braking is most probable reason. It is incontestable, statistically proved fact, that year on year incidents involving a reversing vehicle account for between 20-30% of all reported work related serious injuries or fatalities.

While parking or taking reverse turn, driver unable to see what is behind the vehicle and obviously up to what distance, eventually vehicle strike with the obstacle behind. Presently, cars have the alarm system where when the car gets too close to an object an alarm is triggered which warns the driver about an object close by. But this feature has produced lot of problems and is prone to human error. We have enhanced the facility by using the same system but we have altered it so that the car brakes automatically when an obstacle is close by. This report introduces a control systems based on electronically controlled automotive braking system is called “Intelligent Reverse Braking System”.