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Accident Prevention on Vehicle Safety

Mr. R. J. Shinde[1], Yash Lohar[2], Arti Bangar[3], Dhanashri Kangane[4]
Lecturer, Department of Information Technology[1]
Students, Department of Information Technology[2]
K. K. Wagh Polytechnic, Nashik, India

Abstract: *The number of fatalities caused by road accidents remains alarmingly high. Road traffic incidents contribute to a global safety crisis, with approximately 1.3 million deaths and 50 million injuries annually. This equates to around 3,287 fatalities per day. More than 50% of these deaths involve individuals aged 15-44, with nearly 400,000 fatalities occurring in those under 25 each year. Even in countries with robust traffic safety measures, accident rates continue to rise. Over 90% of road accident-related deaths occur in middle-income nations, with an even higher proportion in low-income regions. This paper explores accident prevention techniques through real-time monitoring, crash detection, GPS tracking, and automated alert systems.*

Keywords: Real-Time Monitoring, Crash Detection, GPS Tracking, Automated Alerts

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