

## A COST EFFECTIVE VEHICLE MONITORING AND SECURITY SYSTEM USING SENSORS

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### **ABSTRACT**

*This is an attempt to design a low cost, simple vehicle monitoring system. Since many of the educational institutions are located out of cities, transportation plays a vital role in everyone's life. Need of monitoring buses and their way of driving by drivers becomes so essential. The travel time of buses varies depending on some parameters such as Bus Drivers doesn't follow time schedules, negligence and exceeding the speed limits. Continuous Monitoring provides various advantages such as reducing accidents leaded by over speed, time delay and miscellaneous activities of drivers. In this paper, a cost effective idea is proposed, i.e., integration of various with Zigbee. When compared with existing technologies, the proposed system gives more reliable, cost effective and fast means of long distance objects identification.*

**KEYWORDS:** *Embedded System, ARM-Processor, Zigbee*