ABSTRACT

In the world of transportation, monitoring and maintaining vehicle health is crucial as the operational continuity of vehicles represents a valuable asset. Logistics service providers face significant challenges in efficiently managing their vehicles, including unexpected breakdowns, suboptimal maintenance schedules, and difficulties in coordinating with various stakeholders. Manual maintenance methods are often ineffective and time-consuming, with maintenance information recorded manually. The Vehicle Maintenance System (VMS) is a SaaS-based solution designed to revolutionize vehicle management for logistics service providers, ensuring optimal performance and cost efficiency through a more efficient, automated, and integrated approach. With advancements in sensor technology, the development of sensor dashboards offers a promising solution to enhance visibility into vehicle conditions. By developing this dashboard, the monitoring of engine condition, fuel performance, and other vehicle health factors can be optimized in real-time, improving operational efficiency and vehicle maintenance.

Keywords : *Data, Dashboard, Sensor, Monitoring System, Vehicle Condition.*