**ABSTRACT:**

This project explain about the innovative use of machine learning in driving test evaluations and dash cam range analysis to enhance driving safety and assessment accuracy. Vehicles equipped with cameras, GPS, and other sensors collect real-time data on a driver's actions and the surrounding environment during driving tests. Machine learning algorithms analyze this data to identify patterns and classify driving braking patterns.

Additionally, dash cam range analysis involves examining footage captured by dashboard cameras to determine distances, speeds, and other parameters of vehicles involved in incidents. By analyzing video frame-by-frame Factors influencing the precision of this analysis include the quality of dash cam footage, camera angle, lighting conditions, and GPS data accuracy.

This project highlights the transformative potential of machine learning and sensor technology in revolutionizing driving tests and accident analysis, ultimately contributing to safer roadways and more accurate driver evaluations.

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