

Building a driver status monitoring and warning system on a mobile platform

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Abstract: In the context of increasing emphasis on traffic safety, this topic focuses on researching and building a driver state monitoring and warning system on a mobile platform. The main goal is to reduce the risk of accidents caused by driver distraction through analyzing sensor data from mobile devices. The approach includes theoretical research on human driving behavior combined with practical application experiments on modern mobile platforms. The expected outcome is a system capable of providing timely and accurate warnings, contributing to improving traffic quality and safety.

Keywords: Monitoring system, Driver status, Mobile platform, Traffic safety, Warning