

Monitoring and controlling traffic lights at intersections via mobile phone

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Abstract: This topic aims to address the necessity of applying mobile technology to traffic flow management at intersections. The main objective is to build a system for monitoring and automatically controlling traffic lights based on data collected from mobile phones, with the purpose of reducing congestion and improving the efficiency of urban traffic operations. The research method combines theory and experimentation to ensure the system's reliability. The expected result is a practical application solution contributing to intelligent traffic management, creating a positive impact on the quality of life in the area.

Keywords: traffic intersection, traffic light control, mobile technology, traffic congestion, monitoring system