

Design of a road traffic sign recognition system

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Abstract: In the context of increasing attention to traffic safety, this topic aims to design and develop a system for the automatic recognition of various types of road traffic signs. Through a combination of theoretical research and experimentation, the project will focus on selecting the most effective algorithm for the image classification task. Practical tests are expected to be conducted on common sign samples to verify the system's accuracy and applicability. The expected outcome is an advanced technological solution that significantly contributes to improving traffic management efficiency and ensuring the safety of road users.

Keywords: Traffic sign recognition, Road traffic, Image classification algorithm