# Design of an automatic scoring system for model car racing tracks

**Vi Van Chuan**

**Abstract:** This topic proposes the design and implementation of an automatic scoring system to enhance efficiency in evaluating model car racing competitions. The reason for choosing this topic is based on the current reality, where manual scoring processes are often time-consuming and prone to errors. The objective of the research is to build an automatic scoring system based on image processing and machine learning algorithms, aiming to reduce human dependency in the evaluation process. The method combines theoretical analysis of image processing with practical application deployment on racing simulation software. The expected result is an automatic scoring system with high accuracy, contributing to the advancement of technology in the field of model car racing.

**Keywords:** Automatic scoring system, Image processing, Machine learning, Model car racing