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# Machine Learning Based Approach for Traffic Rule Viola

Publisher: IEEE

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## Abstract

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**Abstract:**The goal of this paper is to design an automated system mo... specifically the number of people sitting on a two-wheeler. Typic... **View**

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#### **Abstract:**

The goal of this paper is to design an automated system model to mon... number of people sitting on a two-wheeler. Typically, in areas near the... but in areas where no one is watching, people violate the rules. In our... three people traveling on a two-wheeler but when they encounter a se... walks ahead of the guarded area and then again sits back on the vehic... to monitor the violation of specified traffic rules without human interven... learning-based solution is provided where the process starts with objec... Once) model, using which a person sitting on any particular vehicle is i... distance. Also, for the distance calculation, a depth estimation algorith... between objects from a 2-D image is implemented. Moreover, the num... mentioned rule is identified for easy identification of the person violatin... implemented on a real time video streaming dataset. The simulation re... approach in terms of accuracy, precision and recall as 91%, 86% and s