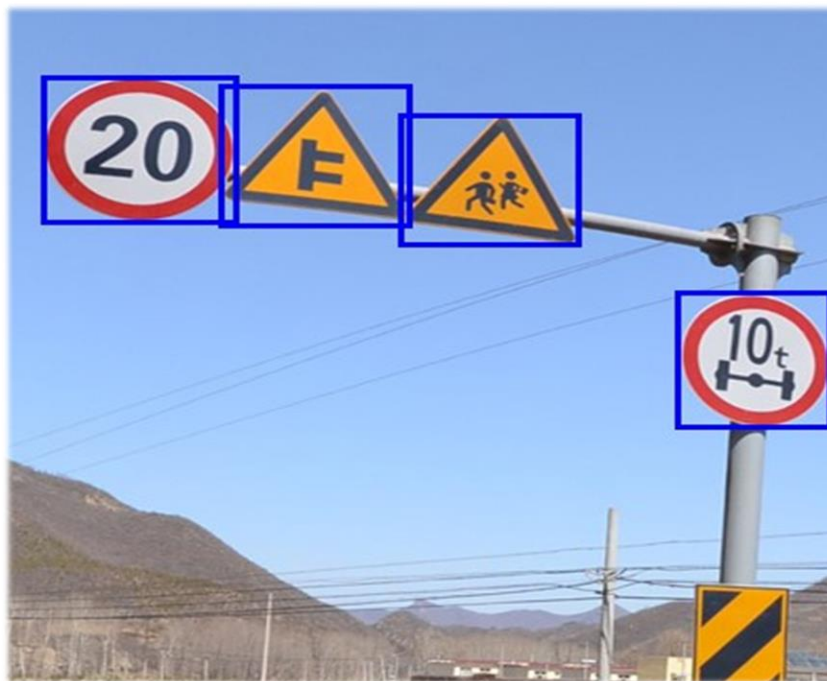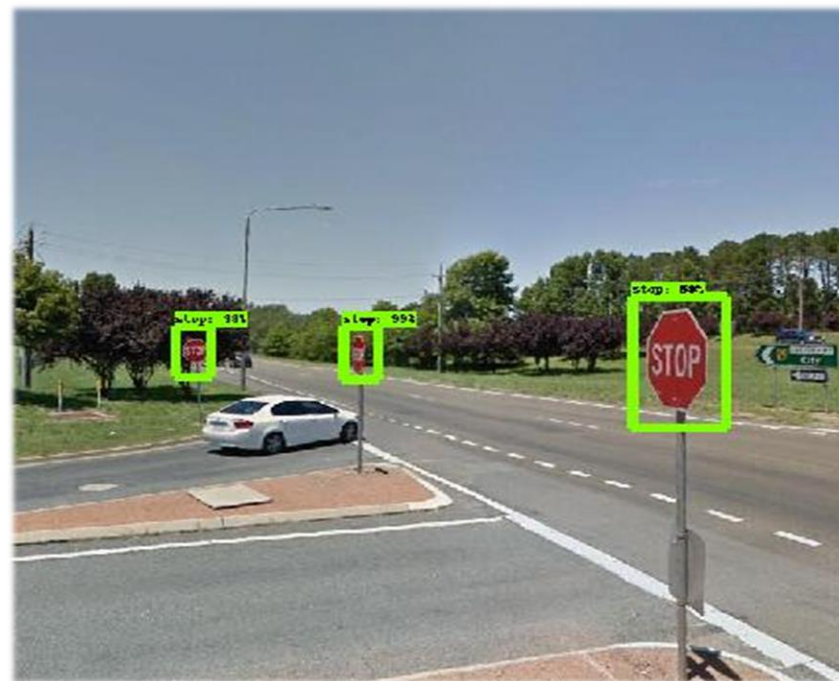# Project Proposal

Traffic Signal Image Classification with different ML Models

Dataset: GTSRB - German Traffic Sign Recognition Benchmark

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How?

- Pre-processing: reshape, normalizing and data augmentation.

- 51839 images split into 39209 for the training set with 43 classes.

- Limited computational power: Transfer Learning and Fine-tuning

- Real-time classification with video as final test

Distribution of Classes in Training Set