**CSE541: - Computer Vision**

**Weekly Report - 5**

**Section Number - 1**

**Group Name: - string the\_boys;**

| **Name** | **Enrolment Number** |
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**Road sign recognition system**

Task performed during the week:

* Tried to detect the number of classes in the dataset which will further be used for the training of the dataset
* Tried to find out why we need to convert the images to grayscale. The reason is it will have less computational complexity in CNN model.It will also have better generalization and feature extraction.
* Tried to find out the other preprocessing needed before training the dataset. We might need to add the depth of 1 to the images and will need to try augmentation of images to make it more generic.

Tasks to be performed in the upcoming week:

* We look forward to complete the preprocessing of data at the required level by more researches and suggestions from our fellow TAs.
* We will find out the CNN algorithm which will be needed and related to our project.
* We will also try to implement the project in real time by using our camera and confirm the classification of the images by the printed copy of the traffic signs.