# INT-404(project)

# Python Project on Traffic Signs Recognition with 95% Accuracy using CNN & Keras

### What is Traffic Signs Recognition?

There are several different types of traffic signs like speed limits, no entry, traffic signals, turn left or right, children crossing, no passing of heavy vehicles, etc. Traffic signs classification is the process of identifying which class a traffic sign belongs to.

## Libraries used:

Numpy, keras, Tensorflow, pillow .

Team Responsibilty:(indivisually)

i have developed the tarininng model and implemented various libraireis and colloected the mnist datadset from

diffterent resources and have developed

the gui of the model to to upload the image and setup the environment to develop the treaining module.

Progress of the work till date:

we need to import the some dependencies and libraries

to make the program compatible for every system

wwe are still working on this project.

Purpose of the project :

to recongnize the picture related to traffic signal and to use this technology in smart vhecles.

Summary:

In this Python project with source code, i have successfully classified the traffic signs classifier with 95% accuracy and also visualized how our accuracy and loss changes with time, which is pretty good from a simple CNN model.

References:

https://towardsdatascience.com/recognizing-traffic-signs-with-over-98-accuracy-using-deep-learning-86737aedc2ab

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