**NAME OF THE STUDENT – DEVESH NARAYAN SINGH**

**Registration number - 11608601**

**Roll No: A01**

**Section: KM086**

Logo

Description automatically generated

**School of Computer Science and Engineering**

Lovely Professional University

CA – 1

INT 248 PROJECT

VEHICLE DETECTION USING TENSORFLOW KERAS

1 . INTRODUCTION

The following is designed to detect the vehicle in the traffic area heavy vehicle and other means of travelling.

The modules detects the upcoming heavy traffic condition and can divert traffic according to the preference of the region.

2 . LITERATURE

During the designing o the following I also to learn different detection method and other models with the tools and dataset and other project also –

1.face detection

2.vehicle counting and speed tracking

3.emotion analysis

4.sign language detection

5.object detection

6.image classification

3. DATASET

Dataset used in the detection is named as “COCO.NAMES” for the classification of the cars and other vehicle.

It is downloaded from ‘https://github.com/tensorflow/models/blob/master/research/object\_detection/g3doc/tf2\_detection\_zoo.md

4. RESULT

The model is trained with tensorflow model zoo.

The following project can be to analyse heavy traffic and divert according to convienance to the user.

GITHUB LINK –

https://github.com/useraccess343/INT-248