1 sudo apt install nvidia-driver-510 nvidia-dkms-510

2 sudo apt-get update -y

3 sudo apt install nvidia-driver-510 nvidia-dkms-510

4 hwinfo --gfxcard --short

5 sudo lshw -C display

6 nvidia-smi

7 sudo reboot

8 nvidia-smi

9 sudo apt install python3-pip python3-dev

10 sudo -H pip3 install --upgrade pip

11 sudo -H pip3 install virtualenv

12 df -h

13 ls

14 pwd

15 mkdir jupyter\_dir

16 cd jupyter\_dir

17 virtualenv jupyter\_env

18 source jupyter\_env/bin/activate

19 pip3 install jupyter

20 jupyter notebook --generate-config

21 vi /home/paperspace/.jupyter/jupyter\_notebook\_config.py

22 jupyter notebook password

23 jupyter notebook --no-browser

ssh

cd jupyter\_dir/

source jupyter\_env/bin/activate

jupyter notebook --no-browser

1. Cover Sheet

Content Overview (?)

2. Table of Contents

3. Indices

List of abbreviations

List of tables

List of figures

4. Abstract

5. Introduction

a. 5% weightage

6. Theoretical Background (Literature Review)

a. 50 % weightage

b. Describe the quality of cited sources

c. Hierarchy of sources

i. Peer reviewed journals

ii. Journals by Sage, Springer, Elsevier, Blackwell, Taylor & Frances etc.

iii. Monographies (Books by author teams on one subject) (Publishing house counts as well)

iv. Internet Sources\*

7. Research Question

a. 1% weightage

8. Methodology

a. 5% weightage

9. Results

10. Discussion

a. 5% weightage

b. Own opinions come here

c. Own conclusions come here (?)

d. Practical application

11. Implications and future research

a. 10% weightage

12. Bibliography

Abstract

Autonomous vehicles are the trend nowadays and many of the manufacturers introduce innovations to boast their intelligent vehicles. With the advent of science many assistive technologies emerged to help the driver during long drives like hands-free driving, cruise control, auto adaptive head lights etc. Artificial intelligence also takes its position in assisting the commutation safer and more effortless with technologies like self-driving, lane detection, collision detection etc. Although collision detection has been there for a while in automotive industry for many famous manufacturers like Mercedez , BMW, Audi and Tesla