**From:** Group B (Qing Xuan, Andre Bernardo)

**To:** Ms. Tsvinda

**Date:** February 10, 2020

**Subject:** Research proposal for image classification

**Summary:**

The proposal outlines the advantages and useful aspects of image classification. We have multiple experimental data to prove the reliability of image classification and investigate the possibility of putting it into society.

**Background:**

In terms of the level of science and technology development in today's society, more and more jobs replaced by machinery, and human resources can use where they are more needed. These include image classification and processing, such as customs or street surveillance, which can perform face recognition or vehicle and license plate recognition. This kind of work improves many work efficiency, save human resources and time.

**Project Plan:**

1. Investigate how image recognition works.  
2. Test the accuracy of picture recognition.  
3. Determine the possibility and scope of applying image recognition technology to society.

**Thesis:**

The perfect image classification system can quickly identify people or objects, and its operation principle is feature extraction. This technology can be used for personnel verification at customs offices, tracking of fugitives on the street, and autonomous driving of vehicles. If we can ensure the accuracy and reliability of the image classification system, it can use in society.

**Schedule:**

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| --- | --- |
| Topic Proposal | February 10th, 2020 |
| Informal Report | February 17th, 2020 |
| Formal Report | March 30th, 2020 |

**Conclusion:**

Our projects can significantly increase work efficiency and reduce the waste of human resources. And this technology can significantly increase the public safety factor while ensuring the privacy of citizens.

If you have any intention, please feel free to contact us by email.

Regards,

All members of Group B