Bandar AlSwyan
Sheng Kai Liao
Zehao Yu

Final Project Preliminary Proposal

For many years, parking was a nightmare for everyone and a hustle in big cities. Going to work, school, or even in emergencies, where might you park your car you always wonder. In the past 15 years or so things have changed and people started to suggest a deep solution to the point that it reached AI & ML. Artificial Intelligence-powered parking solutions, cars that are able to find parking spots on the street for you. Drivers could save valuable time on parking their cars with a effective way and less errors. According to the background information, topics that we will be discussing are the advantages and disadvantages this area might uphold, the risks that they have and the possible future solution it surrounds. To investigate this problem we would require to read more insights and reflect the practical and logical side upon how it operates. What sort of data is being fed to decide the inevitable critical decision to park the car and did it work in the past studies? The group would like to explore this further following the third option that was given within the requirements of this proposal.

Here are the papers that we are looking at:

SmartParking: A Secure and Intelligent Parking System Using NOTICE (2020). Retrieved 14 November 2020, from https://www.cs.odu.edu/~mweigle/papers/yan-its08.pdf

AI-based parking systems can address parking woes. Here's how. (2020). Retrieved 14 November 2020, from https://www.allerin.com/blog/ai-based-parking-systems-can-address-parking-woes-heres-how

Gautam, S., & Pansare, R. (2020). Artificial Intelligence in Parking - Get My Parking Blog. Retrieved 14 November 2020, from https://blog.getmyparking.com/2019/11/05/artificial-intelligence-in-parking/

Koster, A., Oliveira, A., Volpato, O., Delvequio, V., & Koch, F. (2020). Recognition and Recommendation of Parking Places. Retrieved 14 November 2020, from

Where to park your car, according to math. (2020). Retrieved 14 November 2020, from https://phys.org/news/2019-09-car-math.html

Yamin Siddiqui, S., Adnan Khan, M., Abbas, S., & Khan, F. (2020). Smart occupancy detection for road traffic parking using deep extreme learning machines. Retrieved 14 November 2020