



PARKING SPACE DETECTION

PROJECT PROPOSAL

PROPOSED BY
ALANOUD ALOSAIMI
RAGHAD ALTHUNYAN
SHAIKHA BIN ATEEQ

INTRODUCTION

In this project, we are going to develop a parking space detection system, that will help people to find a parking space in a short time. To complete this project with high accuracy, we decided to apply deep learning technology to help determine whether the parking space is empty or not.

DATA DESCRIPTION

There are many source for parking space dataset are found on Kaggle. The dataset contains over 3K images of parking spaces

One of the source:

<https://www.kaggle.com/blanderbuss/parking-lot-dataset>

TOOLS

- Software Platform: Jupyter Notebook
- Programming Language: Python
- Libraries:
 - TensorFlow
 - Keras
 - Scikit-learn
 - Numpy
 - Seaborn
 - Matplotlib