

KPT/PACE DL WORKSHOP final project summary

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Project Title: FOOD PRICE CALCULATOR

Introduction (background of the project):

For the past few weeks, the rising prices of food, from vegetables to roti canai, have made headlines. The rising of food price is due to domestic and international supply chain issues, including the ongoing Russia-Ukraine conflict as well as a spike in the cost of raw materials.

Problem description:

Making thing worse, the price at cafe around IIUM for a plate of “Nasi Campur” is not consistent from day to day. It mainly depends on the mood and the cashier itself. Today, you can get a plate of rice with chicken for RM5 but tomorrow it will become RM6 for the same food. It’s bad for people who are always on a budget, student.

Proposed Method (how will dataset be collected...etc):

This project aims to encounter the problem by using deep learning to scan the Nasi Campur at cafe’s counter. The project will be trained using dataset of food images which is downloaded from the Internet. Then, using webcam, it will scan the plate and identified each food variances such as rice, chicken, vegetables, and egg. Then, it will calculate the price of the “Nasi Campur” by summing up the all the food variances. At the end of the project, price of the food will be consistent from day to day without involving any human error. Student can finally plan their budget by calculating the price of meals each day.