























KKU BIN TO BKK



MEMBERS

3rd Year Students, Computer Engineering, Khon Kaen University



YOTIN NUNTASEN



PIYUNGKOON SARAPARK

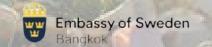


THIDALAK MUEANGPHAEN













e - Waste

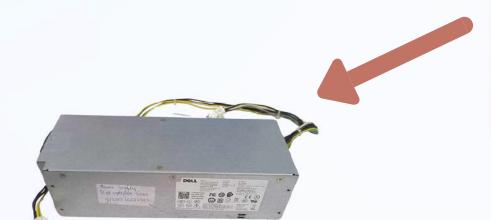


Save 6,000 baht















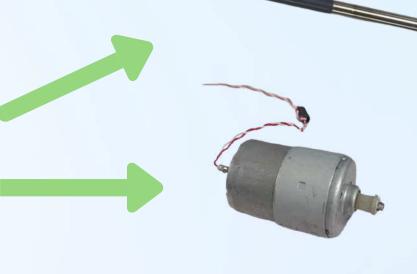


























Operation











Innovation



Waste Classification





Last training performance (validation set)

%

F1 SCORE ②

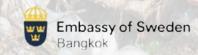
99.2%

Confusion matrix (validation set)

	BACKGROUP	BOTTLE	CAN	CARTON
BACKGROU	100.0%	0%	0.0%	0%
BOTTLE	1.6%	98.4%	0%	0%
CAN	0%	0%	100%	0%
CARTON	0%	0%	0%	100%
F1 SCORE	1.00	0.99	0.99	1.00

Metrics (validation set)





SCHOOL "ENGINEERING KMITL



Innovation



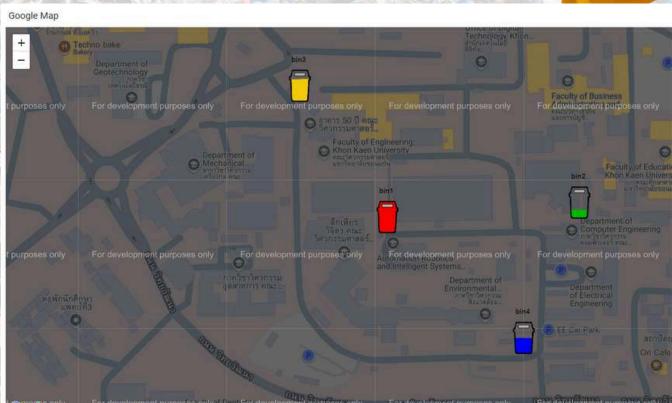
Operation Of Notification



Full Bin Notification System



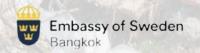












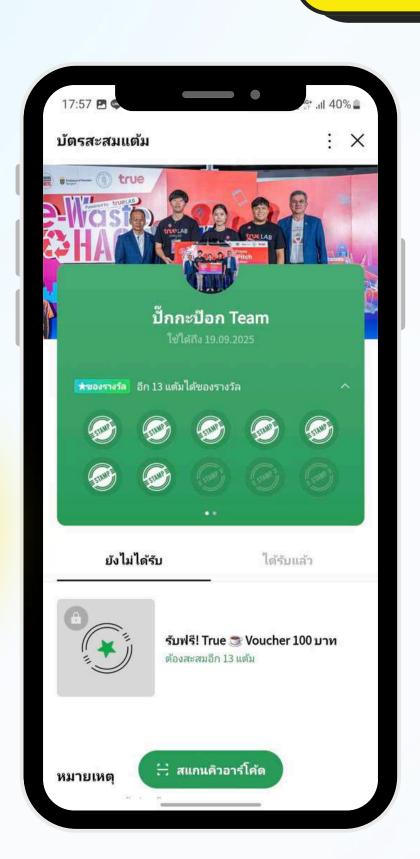


Marketing strategy



Reward Card





Notification
When
Bin is Full

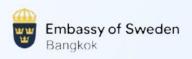














Benefit



The sorting accuracy is more than before,

about

DEED WOOD VIEW GLASS **PLASTIC** METAL **PAPER**

Recyclables can be used to the fullest efficiency by up to



Reduce the cost of hiring employees

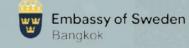
29%

Baht/Month











save time classifying





THANKYOU

















