Research Title: Dance Vending Machine

Researcher:

Mr. Sorayut   Glomglome

Ms. Paphawee   Kuchaisit

Ms. Siwaporn   Wongwarangkana

Asst. Prof. Charoen   Vongchumyen

Faculty: Engineering   **Department:** Computer Engineering

ABSTRACT

Nowadays, advertisement is a very important factor in business. Because of that we have developed Dance Vending Machine. The aim is to promote the product to be known among the common people. The products advertised on this machine will be easy to remember and notably.

Dance Vending Machine that developed from vending machine for attract the attention. This machine has a big screen and can interact with people by Kinect, which is an additional material for Xbox 360, to create an popular event and everyone can join. The best choice is dancing. We combine the vending machine and dancing game together. This project is developed on Windows OS with C#. These can check at each time that user moves on the mark positions or not. The positions are recorded on Excel file and will read to compare with user's movements. The machine system structure and microcontroller's motor control design is including for this project. This machine not only make a fun but also can create market opportunities for promote the products to public.

Keywords : Vending Machine, Kinect, Dancing, Advertisement, Interaction