Milled Rice Vending System Using Arduino Microcontroller

A Capstone Project

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by

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ABSTRACT

Vending machine is a coin operated machine for selling merchandise (Merriam Webster). Additionally, provides various product such as snacks, beverages, water, and others product. Vending machine has many benefits such as no need human energy, flexible in time, and saving time (Amar, 2008).

In Dumingag there is no existing vending machine to sell milled rice and also throughout the country. In order to adopt the new technology, the sale of rice was made into a vending system. The main objective of the project was to develop a Milled Rice Vending System using Arduino Microcontroller, a tool for selling milled rice. The project provided an LCD to display notification.

This study aimed to solved the burden process of selling milled rice at the market manually. But, its drawback was lack of automatic turning mechanism for selling rice. This project was designed and constructed for selling milled rice. The vending system is an Arduino microcontroller-based, which control the transaction of selling through inserting coins either P5 or P1. The conditions were displayed on a 16x2 LCD screen. Through this project, rice selling would make their business more profitable and the process much easy. Indeed, it is relevant and important according to every human need to buy rice at all times.