

Chapter I

Print Vendo Machine with Web UI

INTRODUCTION

1.1 Background of the Study

Vendo machine is a self-service or stand-alone machine that will allow the users to print their documents. Print Vendo Machine with Web UI provides an easy and accessible way to print documents. The system is a coin operated printing machine which works for the people's convenience. The system works by uploading file to the web user interface, then the user chooses if it is colored or grayscale. The user must enter the exact amount for the system will automatically print the whole file. As the world grows more and more literate, printing allows ideas to travel around the world to read and thought about, and perhaps influence others. The ability of computers to share print/text is making the world a smaller and small place each day.

Since FA Family Mart is close to the Barangay Hall and school the owner wants to put a printer together with her store. The reason why she wanted to build a printer shop was for students and Barangay Official who wanted to print their documents and to secure their health against the virus while they had vendo printing machine. Owner of this store was a busy person that's why she wanted a friendly vendo printing machine where only customers and machine will have the connection during printing their documents.

Print Vendo Machine with Web UI has the great benefits to our community especially now that there is a pandemic. Social distancing will be maintained and the spread of virus will be prevented. In many ways, vending was as well prepared as it could be prior to the pandemic. Certainly, using a vending machine contains fewer touch points than using the kettle, and the rapid dispense times ensure there's no congregating around the machine. Then there are contactless payments, which had already made an appearance prior to the pandemic. As of the time of this article, the total value of contactless transactions in the UK stands at 662 million. The progressive nature of vending means you can enjoy this convenience on your machine.

1.2 Statement of the Problem

The project attempts to address the following problem:

- Does the machine print documents accurately?
- Is vendo printing machine user- friendly?
- Does the project save the user's time in printing documents?
- Is the proposed project's rate of performing task at a maximum speed?

1.3 Objective of the Study

The general objective of the project is to give an instant printing service by means of creating a coin operated printing machine that provides an easy and accessible way to print documents.

Specifically this study is determined to the following:

- To maintain social distancing.
- To print documents in easy and fastest way.
- To help students and Barangay official to print out their documents.
- To give good quality of printed materials for the users with a reasonable price.
- To create a user friendly printing system.

1.4 Significance of the Study

The proposed project is designed to print documents and provide a user - friendly machine for the benefit and convenience of the users. The proponents intend to develop a

system that is a practical complement to traditional process of printing paper works. The print vendo machine with web ui provides instant printing service at FA Family Mart.

- **Students.** This project will help them to print their documents in a fastest way.
- **Barangay Official.** This project will help Barangay official. They do not need to go far just to print their documents instead they will just upload the file and drop exact coin amount to print what they want to print.
- **Department of Health (DOH).** By the use of this machine the virus will not spread so quickly because it has no verbal communication between the users and the owner.
- **FA Family Mart's Owner.** This project will give them a safe and huge income.

1.5 Scope

The primary focuses of this study is to develop Print vendo machine with web ui that provides easy and fastest way of printing documents. The system can import the files through uploading to the web user interface and by dropping exact amount for printing. The target users are the students and Barangay Official whose intend to print some documents.

1.6 Limitation

Some of the limitations of this study are the following:

- It does not provide change. Excess money is forfeited. It is strongly recommended that payments should be in exact amount.
- The system does not accept other bills just only coin bill.
- No printing preview
- Cannot be used simultaneously with the coin slot.

