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Digital Donation Box

Prof. D.G.Wadnare Sarika Pathare Pratibha Pandit Pratiptsangam Sinha Neha Waghmar
Dept. of Computer Engg.
Sandip Polytechnic
Nashik , Maharashtra, India
stark6799@gmail.com

***Abstract*-The now a day's people go to temples and donates lots of money to temple. The devotees don't know the exact money, the temple have. Even the government don't have the data of amount the temple have. This leads to generate in black money. In the current donation box the man power is used to count the money and the money is not counted accurately. And the money is also at risk of being stolen. People also donate fake money which is accidently counted by the workers of temple this will lead to improper counting of money. The current donation box has no security provided. The temple people don't know that how much amount is there in the donation box, so they have to open the donation box frequently for counting the money. So to solve all these problem we have come with a solution of digital donation box. In our project the money is immediately shown on the website of the temple and on LCD screen of the donation box. This will lead to reduction in black money. In our project no use of man power is required because money is automatically counted by our project.in our project fake coin detection is also there, this will help to reduce in fake coin cases.**

***Keywords*-Donation box, donor, coin accepter, website, scanners, pulse generator**

I. INTRODUCTION

In the today's era the now a days many of temples the money in the donation box are anonymous donations from countless borrowers. From all devotees don't have an idea about wealth of that temple. Even government don't have a track about this all wealth, here our proposed system track the donation in the form of coins which is count the coins by counter by proposed system.

II.WHAT IS DIGITAL DONATION BOX

We have seen many of donation box but our donation box is very different from other donation box. In our donation box there is a note and coin counting machine which will count the money which is inserted by the donor, whether it is a coin or note. Every times the donor inserts the coin or note the inserted amount is displayed on the donation box. So it is very easy to know how much money is there in the donation box. In our donation box there is no need of human calculator. It will store coins as well as note. In digital donation box there is a detection mechanism which will active when a fake note or coin is inserted in the donation box by the donor.

III. LITERATURESURVEY

Now a day's people go to temples and donate lots of money to temple. The devotes don't know the exact money, the temple have. Even the governments don't have the data of amount the temple have. This leads to generate in black money. In the current donation box the man power is used to count the money and the money is not counted accurately. And the money is also at risk of being stolen. People also donate fake money which is accidently counted by the workers of temple this will lead to improper counting of money. The current donation box has no security provided. The temple people don't know that how much amount is there in the donation box, so they have to open the donation box frequently for counting the money So to solve all these problem we have come with a solution of digital donation box.

In our project the money is immediately shown on the website of the temple and on LCD screen of the donation box. This will lead to reduction in black money. In our project no use of man power is required because money is automatically counted by our project. In our project fake coin detection is also there, this will help to reduce in fake coin cases.

IV. EXISTING SYSTEM

Now days now a day's people go to temples and donates lots of money to temple. The devotes don't know the exact money, the temple have. Even the governments don't have the data of amount the temple have. This leads to generate in black money. In the current donation box the man power is used to count the money and the money is not counted accurately. And the money is also at risk of being stolen. People also donate fake money which is accidently counted by the workers of temple this will lead to improper counting of

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money. The current donation box has no security provided.

V. HISTORY

The donation box was first established in temples of India. The donation boxes are placed in the temples. The devotees come in the temple and donate money for temple welfare.

Fig.1 Home page Snapshot.

The donation box comes was introduced to public in the year 1999.The donation box is very helpful to devotees The devotees donate money as per their wish, which is later on used by temple for temple prosperity and construction of temple.

VI. PROPOSED SYSTEM

The Donation box is used to collecting the money. Every time man power is required to calculate these money and more time is required for the calculating money. In our digital donation box money is counted automatically. This will reduce in human efforts. The amount is shown on screen of donation box and website.

VII. FLOW DIAGRAM

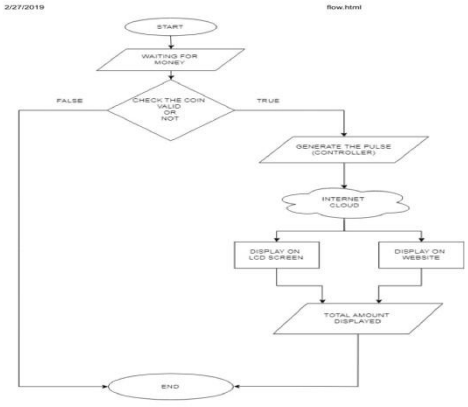

Fig.2 Flow diagram.

VIII. BLOCK DIGRAM

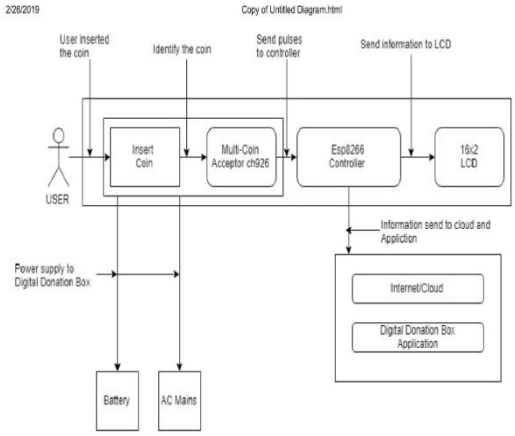

Fig.3 Block dig

IX. FUTURE SCOPE

In future we can add the note sensor in our digital donation box; In future we can build a software which can store the data not only for one donation box but also store the data of multiple donation boxes.

1. Advantages

- It is very easy to Use the digital donation box by the donors
- No need of human calculator because the file is shown on the display of a donation box.
- No need to open it frequently because it has a display bar on the donation box.
- It is more secure than other donation boxes
- It is very light weight

2. Disadvantages

•There is no disadvantage in this because it will reduce human efforts and count accurately

X. SOFTWARE/HARDWARE

1. Software Requirements

• Arduino C language
• Database - Google firebase
• Web-HTML, CSS, JAVASCRIPT

2. Hardware Requirements

• Multi-coin Accepter ch926
• Esp8266 Microcontroller
• 16X2 LCD
• 12v Power Supply

XI. CONCLUSION

This donation box is reducing the human efforts and it will mainly reduce corruption. It count all types of coins and if fake coin is inserted in the donation box, then it will not accept the coin, Donation box accurately count the coin and it shows total amount on the display and also on application & website.

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