SMART PIGGY BANK ONE STEP AHEAD IN MONEY SAVING

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Overview

- Money is very important and always difficult to save.
- · So we bring a solution: an electronic device which makes kids keen on saving money.
- It is not just a Piggy Bank. It is a Smart Piggy Bank.
- Displaying the total value of coins inside, and some interactive games helps the user to get attached.

Problem and Solution:



- Motivation for saving money?
- · How to know the total value of the money inside a coin bank?
- · How to have some fun while collecting money?
- Electronic device which can achieve these all requirements.
- It is an embedded system which does computations.

Solution: SMART PIGGY BANK



Background information:

- Piggy Banks are popular among children
- Most Piggy Banks are used only for keeping money.
- · Some Piggy Banks display the value of coins inside, but they are very expensive because of the coin identification machine which is used inside.
- There are no fun games with the traditional Piggy Banks in the market.
- Our SMART PIGGY BANK uses simple technology and therefore cheap.

Implementation

Identify coins

Main Task

Using LDR

sensor series

to identify each

coin when it is

inserted.

Find the total value

Programs developed

to compute the total

value. We are using

Arduino UNO board.

Display User friendly message

Code to implement the game logic of the coin guessing game, with input buttons

Game mode

implementation







The product



Conclusion

- We implemented a different kind of Piggy Bank which is an embedded system design.
- We hope to develop this Smart Piggy Bank with additional features like sound feedback etc.





Second Annual Embedded System Projects Expo 2016

presented by Third Year Students Department of Computer Engineering, University of Peradeniya