ABSTRACT

Savings behavior is very good and should be inculcated from childhood. Basically saving uses to train a person to control her/his needs and to plan the future. To support this habit in early age, children need the system in the form of e-mini bank. This device can store coins based on the identification of each customer.

Coin detector sensor will read as nominal number of coins inserted into the e-mini bank by the user. After detecting the nominal money coins, Arduino-based microcontroller will process the value displayed on the LCD on the E-mini bank and input the data into the database (visual basic) as a medium for the database server.

This final project implementation subsystem coin dispenser on the E-Mini Bank system which functions as a detector of the coin, as the LCD display screen to the nominal amount of information entered by the user and can input data into the database (visual basic).

Keywords: Coin Dispenser, Infrared, Microcontroller, LCD