

TECHNOLOGY BLUEPRINT REPORT:

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SMART MONEY BOX

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COMPANY'S LOGO



MAKE EASIER

EXECUTIVE SUMMARY

The team, which is an AFA Group are developing a Smart Money Box or SMO for short. This device is actually an innovation of an old version piggy bank that had existed nowadays. The significance function of SMO is that it can split money according to their value of note or coin. It is also designed with several complex machineries such as a scanner and quantity display. The target market for this product is for parents that have children between 7 to 17 years old because this product is very suitable for children or others who have hard time to manage their money. The Smart Money Box has a huge chance in Malaysia market since it only need to compete with the conventional piggy bank that already available in the market. Other than our company, there is no company or inventors that commercialize this kind of product. The cost to produces the product are also low which is below RM200, so it can sell in the market in an affordable range.

CHAPTER 1 1.0 PRODUCT DESCRIPTION

1.1 Introduction

After doing several observations about the existing piggy bank on the youtube, the team had chosen a product that we believe can help and guide people to saving. The product is named as Smart Money Box. This product actually is an innovation of a traditional piggy bank. It is build based on the money splitter concept which can separate not only the notes and the coins but it also can separate them according to their own value. This product is very suitable for children and others to manage their saving easily.

1.2 Purpose of development

The purpose of the product development are:

- > To store the money according to its value.
- > To display the amount of money stored.

1.3 Product Concept

- > For savers to keep their money neatly and accordingly.
- > For reminder to the savers the amount of money they had stored.

1.4 Application

- The coin is inserted into the Smart Money Box through the coin hole. The coin inserted will slide down into different container with different high and holes size.
- The note is inserted into the Smart Money Box through the notes hole. The scanner will scan the type of money inserted and then stored in their container with help of roller.
- > The mini gear or electronic motor is use to operate the roller.
- The magnetic pad lock will lock and unlock the storage by using an external magnet that also provided.
- The quantity display will lit and show the amount of money stored when the money inserted into the Smart Money Box.