

**SRI LANKAN CURRENCY NOTES
RECOGNITION SYSTEM FOR BLIND PEOPLE**

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by

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Abstract

“Sri Lankan Currency Notes Recognition System for Blind People” is mainly focused for the people who have visual disabilities. The people who have not visual disabilities can identify currency notes in various ways. People are use to identify currency notes by it’s specific color, specific characters that are in each and every currency note, length and size of the currency note, look at the value that printed on the currency note, look at the overall image composition of currency notes. But blind people can identify currency notes only by touching them. They used to identify notes by determining the sizes of each and every note. Identify Color, printed values and image compositions of notes are unable to recognize when touching. So blind people are unable to identify currency notes without having a help of someone. In the past the sizes of currency notes are different. So it can identify by touching them. But today because of the new issues of currency notes the sizes of the currency notes are mostly same. As an example the size of the new thousand rupee note and new five hundred rupee note are same. So it is very hard to identify notes by touching. So there should be a specific way to recognize currency notes in a correct way.

To make easy to identify the currency notes for blind people, my intension is to provide the most practical solution using a mobile phone application. Today the mobile phone has become an essential need of human day to day life and almost every person has at least a basic phone. To make a better solution for this problem I decided to create android application to recognized currency notes through voice recognitions. It is very useful for blind people to identify the currency notes that they have use for their transactions.