Abstract

Coin which act as the basic need of the human being and today life of human beings depends solely on machines so the detection and recognition of coin is very important rather than counting coins manually. One can easily detect and recognize the coins by using various techniques. This paper focuses on the variety of techniques that have being used to detect and recognize the coins of different denomination. A variety of techniques and approaches have being proposed such as Circular Hough Transform, Artificial neural networks, heuristics etc which further help in recognition of coin. The performance rate of detection and recognition was upto 97.74% as computed by Neural Networks. The performance analyzed was on the basis of variety of parameters used such as size, weight, thickness and many more. Future improvement can be done detection and recognition of overlapping of coins.

References

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**Index Terms**

Computer Science  
Pattern Recognition

**Keywords**

Hough Transform  
Coin Detection  
Coin Recognition