Abstract

Coins have very much importance in human’s day to day life, which are used in everyone’s daily routine like banks, super markets, vending machines etc: So, there is a basic need to automate the counting and sorting of coins. Coin recognition applications play an important role in industry and computer vision. The main objective of this system is to classify high volumes of coins with high accuracy and to recognize the coins of different denominations and count the total value of the coins. Many approaches developed for the coin detection and calculate its corresponding values. For this several approaches are compared here to improve the performance of the system.

References

2. Rawan S. Hassoubah (r.hassoubah@gmail.com), Amel F. Aljebry (a_jebr@yahoo.com), Lamiaa A Elrefaei (lamiaaabdalrah@yahoo.com), Faculties of Computing and Information Technology King Abdulaziz University Jeddah, Saudi Arabia “Saudi Riyal Coin Detection and Recognition” (proceedings of the 2013 IEEE Second International Conference On Image Information Processing)

3. Velu C M1, P. Vivekanadan2, Kashwan K R3, S R, Department of CSE, Anna University of Technology, Coimbatore 641 047, Tamil Nadu, India 2 Director, Knowledge Data Centre, Anna University, Chennai “Indian Coin Recognition and Sum Counting System of Image Data Mining Using Artificial Neural Networks”, International Journal of Advanced Science and Technology Vol 31, June, 2011


6. Malatesh M Department of CS&E, UBDTCE, VTU Karnataka, India, Smt. Anitha G, Department of CS&E, UBDTCE, VTU Karnataka, India

7. Hafeez Anwar, Sebastian Zambanini, Martin Kampel, and Klaus Vondrovec

8. Nikita Shelgikar, Prof. L. M. R. J. Lobo, “Indian Coin Recognition with Rotation Invariance using Radial Blur Technique”, IJAIEM 2014, 1M.E. (CSE) Department of Computer Science & Engineering, Walchand Institute of Technology, Solapur, India 2 Assistant Professor in Department of Computer Science & Engineering, Walchand Institute of Technology, Solapur, India


**Index Terms**

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Keywords

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