CONCENTRATION
Epson Manipulator Card Sorting System

Kausthub Krishnamurthy
312086040
Email: kkri3182@uni.sydney.edu.au

James Ferris
311220045
Email: jfer6425@uni.ssydney.edu.au

Sachith Gunawardhana
440623630
Email: sgun@uni.sydney.edu.au

***Abstract*—An implementation of an Epson robotic arm as a card sorting mechanism aimed towards situational problem solving regarding the game Concentration (A.K.A. Memory) with the intent on addressing methods to simplify decision making processes for the game Set. This setup conducts the first step in this study, namely designing a system that can play the game of Concentration**

I. Introduction

This demo file is intended to serve as a "starter file" for IEEE conference papers produced under LaTeX using IEEEtran.cls version 1.7 and later.

Introduction: Provide an introduction to the problem you are investigating. Why is it an important or interesting problem? What are potential applications of the techniques you are developing? The introduction should also contain an outline of the remainder of the paper I wish you the best of success.

mds

January 11, 2007

II. Background

Background: Describe related work that has been published in the literature. What papers, books and other resources have you consulted and how does their work relate to yours? What outcomes and possible innovation are you hoping to achieve?

A. Program Control Paradigms

B. Vision Detection Principles

C. Motion

III. Experimental Design

Experimental Setup or Design: Describe your experiment or the design of the system you are developing.

A. Program Design

Subsection text here.

B. Vision Detection Implementation

C. Motion Implementation

IV. Results

Results: Show the results you have achieved. Consider how you might present these results in a clear and concise manner. Although you will understand the significance of the results, make sure it is clear to the reader as well.

V. Discussion

Discussion: What are the implications of your results? What are the limitations of what you have done and how might the experiment/design be improved in the future?

VI. Conclusions and Future Work

Conclusions and Future Work: Discuss the implications of the results in a broader context, drawing conclusions and providing directions for future research in the area.

Acknowledgment

The authors would like to thank...

References

[1] H. Kopka and P. W. Daly, *A Guide to LaTeX*, 3rd ed. Harlow, England: Addison-Wesley, 1999.