

DEPARTMENT OF COMPUTER TECHNOLOGY AND NETWORKING

**MARA UNIVERSITY OF TECHNOLOGY**

**MEASURING THE EFFECTIVENESS OF VARIOUS SENSORS IN  
ITS DEPLOYMENT TO THE JUDGING SYSTEM IN BADMINTON**

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A thesis submitted in partial fulfillment of the requirements for

**Bachelor of Science (Hons) In Data Communication and Networking  
(CS225)**

Faculty of Information Technology and Quantitative Science

Nov 2006

## APPROVAL

### MEASURING THE EFFECTIVENESS OF VARIOUS SENSORS IN ITS DEPLOYMENT TO THE JUDGING SYSTEM IN BADMINTON

BY

AYU BINTI HJ SOPIN

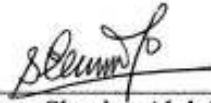
This thesis was prepared under the direction of thesis advisor, En. Azdhar bin Abd Kadir, Department of Computer Technology and Networking, and has been approved by thesis supervisor, Puan Nurshahrily Idura Hj Rambli. It was submitted to the Faculty Information Technology and Quantitative Science and was accepted in partial fulfillment of the requirement for the degree of the Bachelor Sc. Data Communication and Networking.

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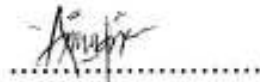


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22<sup>nd</sup> November 2006

## DECLARATION

This declaration is to clarify that all of the submitted contents of this thesis are original of my own work. All of the content of this thesis has been submitted as a part of partial fulfillment of BSc. (Hons) in Data Communication and Networking program. I hereby declare that this is work of my own except for literature review, recommendation, which have acknowledgment.



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## **ACKNOWLEDGEMENT**

Alhamdulillah, praise to Allah the Almighty for giving me health and strength to complete this final project. Thanks for giving me guidance and giving me the courage to that keep me moving on with this final project. Thanks for my families and friend for their support, advices and helping me during the process of developing my final year project.

I am also wish to thanks for my supervisor, Puan Nurshahrily Idura Hj Rambli for her advices, guidance and comments at the stage of project process and for her assistance in completing this project. Thanks also to En, Azhar, my project coordinator for his advice and comment during presentation.

A special thanks to my classmate, because their willing to share information and for their kindness helping. For those who has already helped me but did not mentioned a hundred of thanks for them.

Thank You.

Wassalam.

## **ABSTRACT**

Today, we still needs line judges in giving point for badminton game. We have to use 10 line judges and 1 service judges. Even though, as a human sometimes we can careless, slack, emotional not stable and it can give bad impact for the players in giving point. The objective of this project is to measure from all types of sensors which one of them will be suitable for reduce line judges especially at critical line that judges sometimes careless in giving point. This project gives benefit for the players and also will increase sport quality especially in badminton games. Using the suitable sensor, it will make giving point is more accuracy and will prevent biased judges.