

BASIC SIGN LANGUAGE
COMPREHENSION SYSTEM

A Thesis

Presented to

The Faculty of the College of Computer Studies
Central Philippine University

In Partial Fulfillment

Of the Requirements for the Degree of
Bachelor of Science in Computer Science

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March 2004



Abstract

The rapid development of technology leads to the improvement of every basic computerized system that may found in every establishment or organization. Like in deaf communities, Sign Language serves as their primary means of communication. This proposed system; The Basic Sign Language Comprehension System is intended for hearing impaired people to provide a means of learning basic sign language in order for them to improve their communication skills. This will be a great help for them in order to learn things in a normal way possible with the aid of the modern technologies and facilities mainly with the aid of computer. The system is also deliverable to interested normal individuals that include parents of deaf people, teachers who want to use the system as one of their tools in teaching deaf people and to other normal individual interested in learning sign language.

The system is developed in a way that it can be used by every person with or without the assistance of a sign language instructor because it provides system instructions and user's manual. It can be easily obtained, understood and followed. It also provides dependable result in sign languages tests and evaluations and feature graphical images and animated finger spelling and sign language.

This study will benefit the deaf people who were deprived of basic education due to hearing disability. The system will provide a good start in developing the interpersonal communication of the physically impaired individual.