

DESIGN AND DEVELOPMENT OF MYKAD BASED ELECTRONIC BALLOT SYSTEM

Prepared by: Daniel Soosai, Lee Men Hwa, Ng Yit Fung, Wong Miew Chiang

ABSTRACT

The title of my project is the Design and Development of Mykad Based Electronic Ballot System. The project is actually a systems designed to replace the current manual ballot system used in Malaysia.

The project is divided into 3 parts which are the VB user interface, the main database and the input device. The VB user interface is designed to guide the users' through step by step instruction so that the vote casting process can be accomplished easily. A database is designed to store Malaysian citizen's information which will be used to verify and confirm that the voter is n eligible Malaysia citizen. Another database is used to store the voter's IC number and name together with the voting result so that once the entire voting process is complete the result can be calculated easily.

An input device is also created to enable the user to make a selection. The input device consists of a keypad circuit which is controlled using a microcontroller. These three parts are combined together to produce a fully functional electronic ballot system.