

ABSTRACT

The Eye is one of the five sense that very important for human being. Eyeless of course, human being cannot see. But oftentimes eye function as five sense annoyed because some factor like nearsighted (myopic) or farsighted (presbyopic) which is because of clan factor, wrong habit or possible age factor. To measure bleary high how the eyes, oftentime all patient have to check to ophthalmologist or to optic by trying one per one bleary level of eye by manual device and this very is not effective and its result even also less be accurate.

In this final project have realized a bleary grader of electronic eye as a means of assist the patient to know high how minus (to myopic) and plus (to presbyopic) that suffered. Principle work this appliance is measure the distance read the patient then compare the distance by standard formula and then obtained the level of minus or plus of the patient. After distance read measured hence data will be sent and processed in mikrokontroller and its result will be presented in LCD. This grader use the motor stepper as hodometer read the patient, microcontroller ATMEGA 8535 for processing the data apart to read the patient and LCD to present its end result.

Design and Realization this nearsighted(myopic) and farsighted(presbyopic) expected can replace the nearsighted and farsighted existing manual tools in this time with do not lessen the elementary function from itself grader.

Keywords: *Eye, The Five Sense, Bleary grader of electronic eye, Stepper Motor, Microcontroller ATMEGA 8535*