

HUMAN PULSE READER

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ABSTRACT

Nowadays, human are more pay close attention with their healthy. One of the methods to ensure living in good health is having a regular check up. More than that, a simple way is use blood pressure and pulse rate monitor to keep health update better prevent than treatment.

Human Pulse Reader is a project that I plan design with low cost of microcontroller (PIC) and universal serial bus (USB) based on pulse rate measuring device with output display on monitor of personal computer. The one pair of infrared sensor device I will be use for measuring the pulse rate on human body. Besides, the design has to process three pulse readings simultitaneously with each of the process will take for one minute. The processes start with infrared sensor sense the objects and transmit to microcontroller. Then, output of PIC will connect to the USB converter and from the cable to computer. Furthermore, the measuring simulation will taken one minute for each time. At the end of each time measurement, the device will be button for reset after button for recorded as every step are the same.

This final year report starts with acknowledgement to everyone who helps me follow by aim and objectives of the project and introduction background. After that, literature review and methodology is more describe about hardware components and software system about the projects. The result will be recorded and troubleshooting of problem will be encountered with solution in discussion part of the part of the report. Finally, the conclusion will be provided.