

A SIMPLE AND COUNTABLE METHOD FOR THE ASSESSMENT OF PERCEIVED WELL-BEING AMONG ELDERLY PEOPLE

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Abstract- This report illustrates the technical design for the monitoring system of well-being and demonstrates its feasibility in elderly people. The Con-Dis device consists of three buttons with a happy, neutral or unhappy face, each describing the mood of the patient. The functionality of the device was tested on 5 test persons who were asked to demonstrate their state of well-being by pressing one of the three buttons representing present condition three times per day for a time period of one week (5 working days). The device is based on Atmel's 8-bit AVR microcontroller, ATMEGA 128, placed on an AVR-MT-128 development board. The software used by the ATMEGA microcontroller was developed using the C language in the AVRStudio development environment. On the basis of the collected results, the Con-Dis - device functioned reliably in monitoring the perceived well-being and mood of the test persons.

Index terms: perceived well-being, monitoring system, microcontroller