DESIGNING AND CREATING AN ONLINE SYSTEM TO MONITOR THE ROOM TEMPERATURE BASED ON WEB AND WEBCAM SERVER WITH ASYNCHRONOUSLY DATA PRESENTATION

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Abstract

An online system has been made to monitor the room temperature using temperature sensor typed LM35 and a webcam, in this system the output data of the sensor was processed with the microcontroller typed ATmega8535, and saved in a database server and include on this the web and webcam server, the temperature and the room condition visually showed via web, and accessable from the computer network, so that the condition around the room that give effect to the room temperature can knowed as visually data. In this system using the Ajax technology so here the using of request bandwidth can be minimized. The result of this system is the visually output data and temperature data that presentated in a web page.

Keywords : Temperature, Ajax, LM35, ATMEGA8535