

ABSTRACT

The availability of clean water is a complex problem in big cities, especially for people who inhabit in the slums. Beside that, the water distribution system currently applied is very inefficient. In this final project, clean water distribution system has been made. The system works using a weight sensor which will detect the weight of the coin inserted into the tool so that it will release a number of water according to the number of coins inserted. Thus, the water distribution using this tool will be more efficient. This tool uses weight sensors flexyforce, ATmega8535 microcontroller, LCD, power supply, flow meter, and DC motor. From the description, this system is expected to be useful tools that can be more efficient in usage, especially in the water distribution.

Keywords: weight sensor, microcontroller, flow meter