

AUTOMATED PLATES WASHER

A dissertation submitted to the
Faculty of Science and Technology, Uva Wellassa University in partial
fulfillment of the requirements for the award of the Degree of Bachelor of
Science and Technology

by

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January 2017

Abstract

Washing plates normally done by hand and it uses water, energy, chemicals as well as need to spend valuable time. So an efficient approach can save a lot of each. Though the dish washing machine gives some relief for that, the existing dishwashing machines in the world market consist many defects in the system such as wastage of water, requirement of man power, high installation cost, poor quality of cleaning etc. Specially, there is no proper turning off system when the washing is complete, and because of that it waste large amount of water.

This project is about inventing an Automated plates washer which can be overcome the problems in existing machines. It includes automatically turning off system after the plates are cleaned. The system is controlled by arduino and has to supply high pressure water to the machine to start the washing process. Then the sensor will give the signal to turn off the machine when the process is complete.

This system can be used in large scale kitchens such as in marriage ceremonies, receptions, business parties, etc. where there is requirement of more number of plates. Not only that this plate washer is useful for household use as same as the washing machine, which can save time and cost rather than spending in washing plates by hand and wasting large amount of energy.