

DESIGN OF A RECYCLING SYSTEM FOR WASTE WATER IN BATHROOM OF AN APARTMENT CONSISTS OF 100 UNITS OF HOUSEHOLD

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ABSTRACT

The title of this project report is 'Design of a Recycling System for Waste Water in Bathroom of an Apartment Consists of 100 Units of Household'. The main purpose of this project is to introduce the concept of recycling waste water and create an awareness of reusing waste water.

This project report contains the detail description of the construction and operation of the waste water recycling system and water quality indicators like water purity indicator and pH meter.

Besides, block diagram of system operation and circuit diagrams are provided to aid the readers' understanding. The outputs of each stage of the recycling system are discussed in depth inside this report.

Moreover, the printed circuit board (PCB) layouts and some photos are attached in a few sections. Problems and solutions are stated in short to avoid the readers from making the same mistakes. The suggested improvements of the project are discussed too at the end of this report.