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FINAL REPORT: AUTOMATIC CLOTHLINE USING MICROCONTROLLER

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ABSTRACT

The aim of this project are to make people life easier in handling their chores. Most working people do not have enough time to manage their house chores especially their laundries during rainy day. The laundries also cannot be protected due to unexpected weather. This Automatic Clothline will help them based on automatically set retrieve-out the clothes when it is the sunny day and oppositely retrieve-in the clothes when it is a rainy day. This Automatic Clothline is recommended to be build for solving this problem. People often forget to lift their laundries outside during the rainy day. Other than that most of people do not have sufficient time to manage their house chores during working day. This project are develop and suitable for people nowadays especially working couple, which is both of them are busy and cannot manage their time properly. Furthermore the weather nowadays also change and unpredictable. For example rainy day and sunny day. This project will help people manage their time wisely and make their life more easier.

CHAPTER 1

INTRODUCTION

1.1 Background Of Study

People often forget to lift their laundries outside during the rainy day. Other than that most of people do not have sufficient time to manage their house chores during working day. This project are develop and suitable for people nowadays especially working couple, which is both of them are busy and their time are limited. Furthermore the weather nowadays also change and unpredictable. For example rainy day and sunny day. Our project name is Automatic Clothline using Microcontroller. This project built using both software and hardware. The programming of the PIC16F877A will control all the activities of this project. There is water sensor as input to detect the presence of water. The PIC16F877A will receive the signal from the input and the programming in the PIC used to set the motor move in clockwise or anticlockwise, in other word, the clothline will move forward or inward. The advantages of this project, it will help user manage their time wisely and make their life more easier. They can hang and leave their clothes on the clothline without any worries.

1.2 Problem Statement

Most working people do not have enough time to manage their house chores especially their laundries during rainy day. The laundries also cannot be protected due to unexpected weather. This Automatic Clothline will help them based on automatically set retrieve-out the clothes when it is the sunny day and oppositely retrieve-in the clothes when it is a rainy day. This Automatic Clothline is recommended to be build for solving this problem