

DESIGN AND CONSTRUCTION SUN DRYING WET CLOTHES SYSTEM

by

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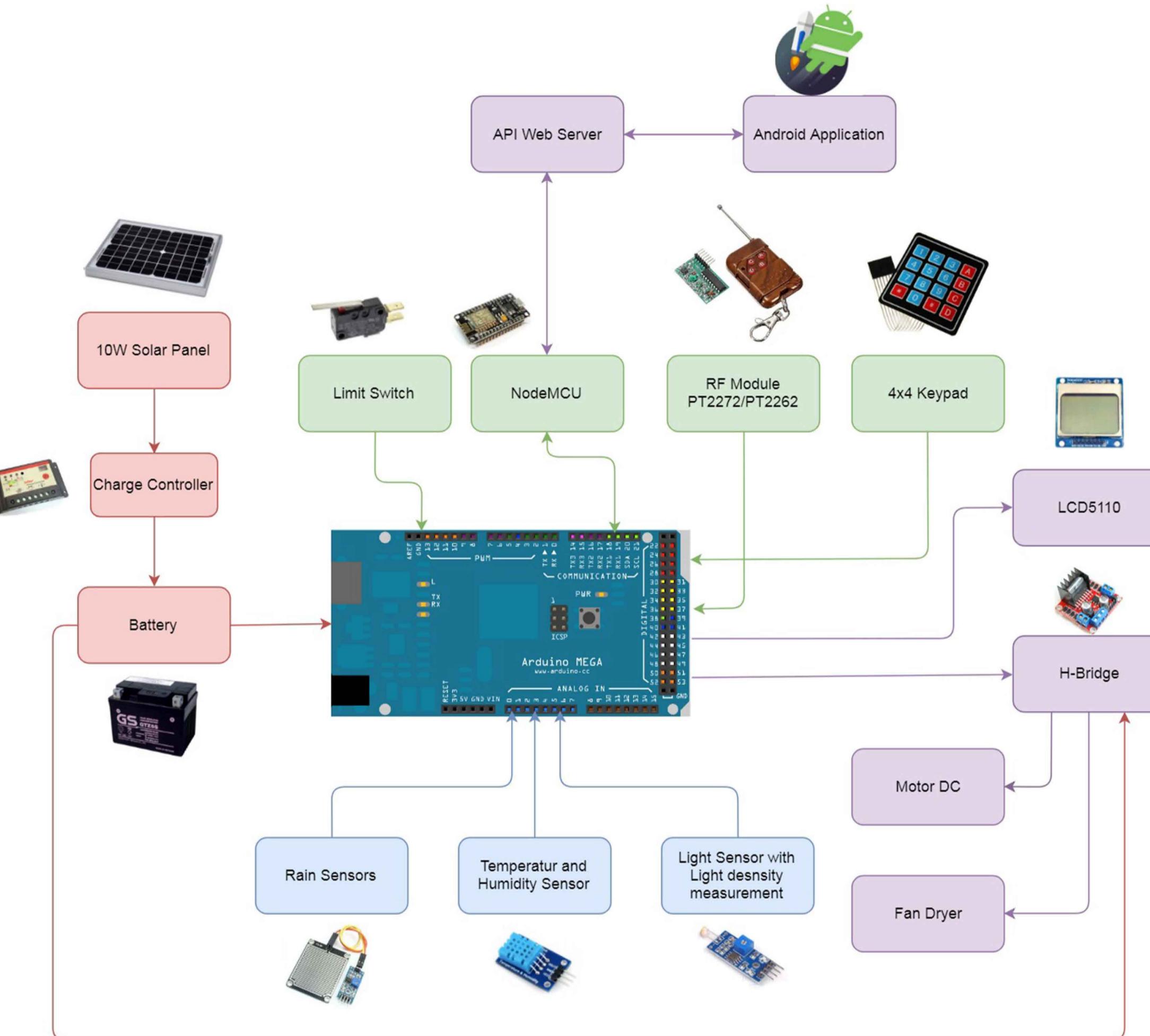
ABSTRACT

Vietnamese have long working hours which means they spend time at evening and night to do their chores. The chores include washing and drying clothes. However, Vietnam also has long rainy season which indicate a persistent problem of inefficient clothes drying process.

INTRODUCTION

An automatics clothes drying system, which uses rain sensor to detect rain and ESP8266 for communications between mobile application and device, was developed to allow consumers to effectively manage their chores. We hope the system will help resolve some aspects of the problem that the current face recognition systems are facing today.

IMPLEMENTATION



The block diagrams above shows that system has the following features:

- Rain and Night auto detection from sensors data
- Control system via RF Remote
- Control system via Keypad
- Control system via Mobile application
- Having dryer system
- Using solar energy

EVALUATION

Achievement:

- Can be controlled via mobile
- Rain detection within 50ms.
- Works with 95% accuracy.

Limitations:

- Cannot determine whenever clothes is dry or not.
- Cannot determine wherever rain is stopped or not

Further Suggestions:

- Improve detection feature with Hidden Markov Model
- Implement more control methods

CONCLUSION

Our research shows that the DCCS system has a great potential to succeed. However, there are limitations to the system such as its inability to detect rain using Mathematics process. These limitations need to be improved to give the product a competitive advantage over other competitors