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# SMART HOME

## SUMMARY OF INVENTION

Home automation is the automatic or semi-automatic control and monitoring of household appliances and residential house features like doors, gate and even the windows.

Home automation has made it possible to have what is often referred to is a 'smart home', a home that can detect and identify you according to the brightness automatically switch on the light and fan when you enter the living room and also able to detect burglar attempts.

## PROBLEM STATEMENT

1. High cost on energy bill
2. A smart home products can cost more than RM 2000
3. Increasing number of housebreaking

## NOVELTY

implement a low cost and reliable home automation system

## INNOVATION AND SCIENTIFIC VALUE

- using an Arduino UNO board to achieve hardware simplicity.
- High stability

## COMMERCIALISATION

- Save electricity.
- Reduce the expenses of the bills.
- Prevent burglary and robbery.
- Ease our life.

## ADVANTAGES OF SMART HOME PRODUCT

1. Save cost on energy bill
2. A low cost smart home product
3. Decrease number of housebreaking

## RESULT

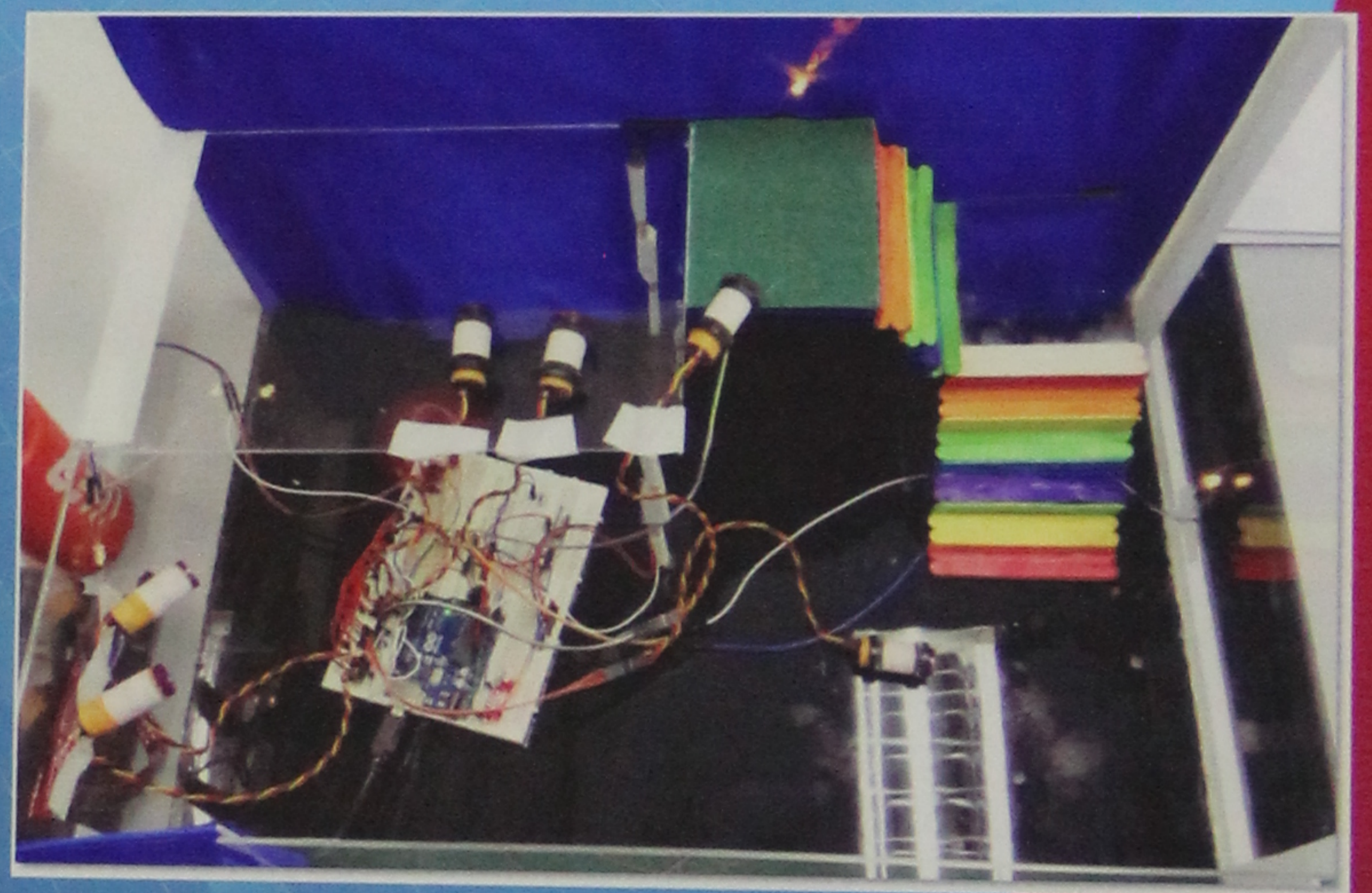


Figure 1.2 When someone is entering the house lights are on

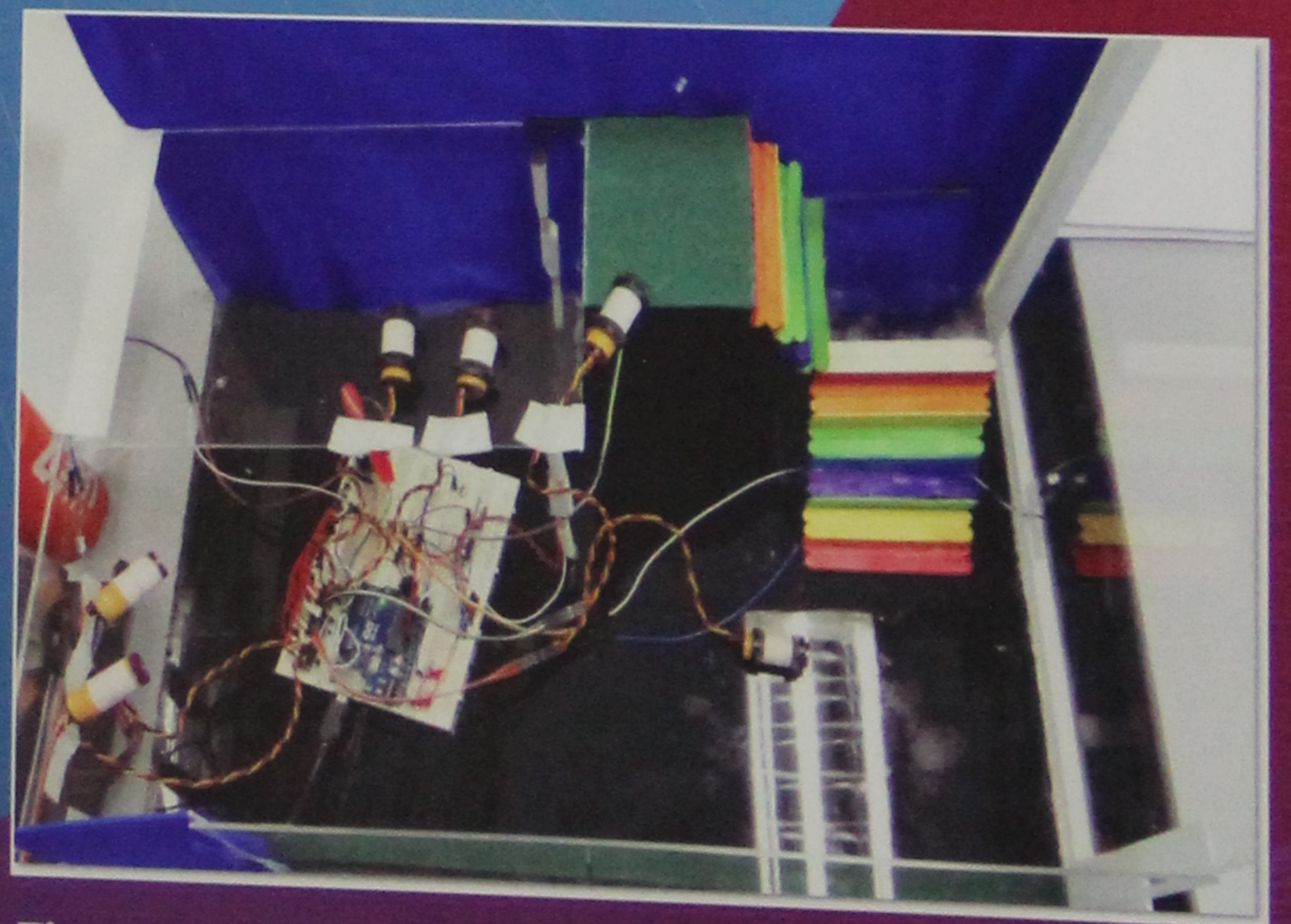


Figure 1.3 When someone is leaving the house lights are off