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# AUTOMATED POWER SAVING UNIT

## Team members:

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|-------------------------|---------|
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# PROBLEM IDENTIFICATION

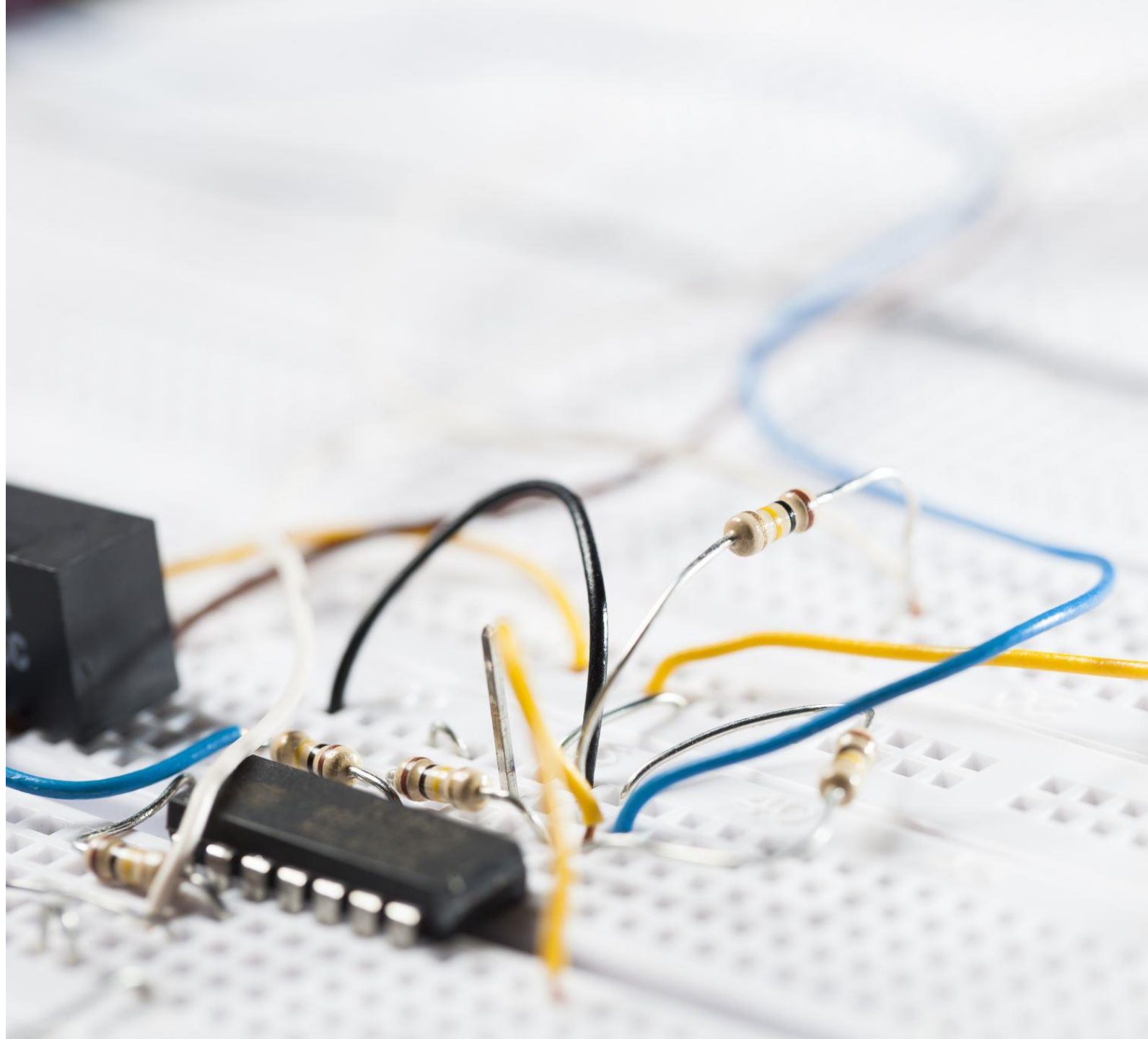
- Unnecessary energy consumption impacts both your wallet and the environment.
- Manually turning off appliances can be inconvenient and lead to forgotten electronics.
- Leaving lights on in unoccupied rooms is a common source of wasted energy in homes and offices.
- Rising energy costs require smarter solutions for managing power consumption.



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# OUR SOLUTION

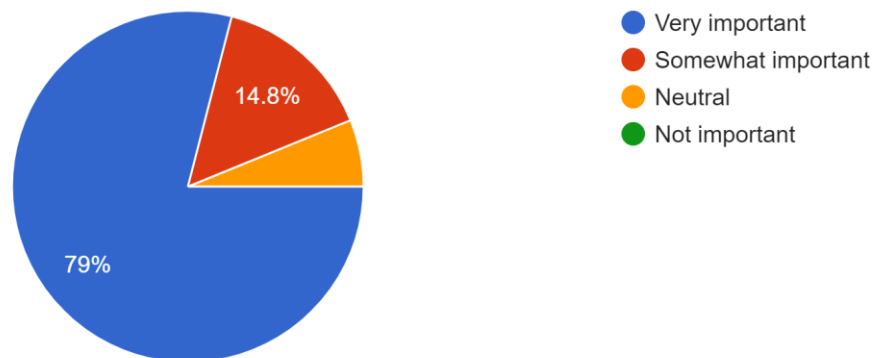
- The unit will utilize occupancy detection technology to identify when a room is empty and will subsequently power down designated electronics.
- Additionally, we are giving options on wiring separate wire lines to existing switches
- Counting occupancy using two IR sensors
- Our innovative design will operate using AC power



# SURVEY RESULTS

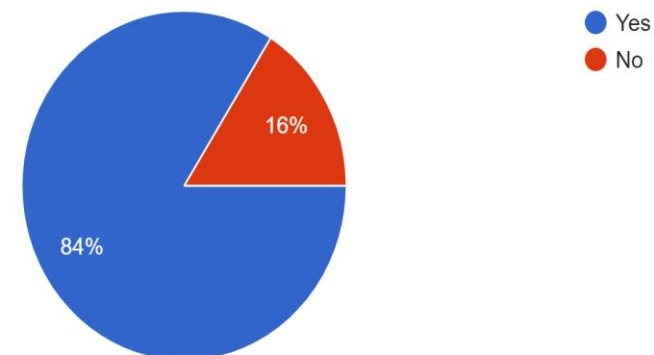
How much importance do you place on reducing your household's power usage ?

81 responses



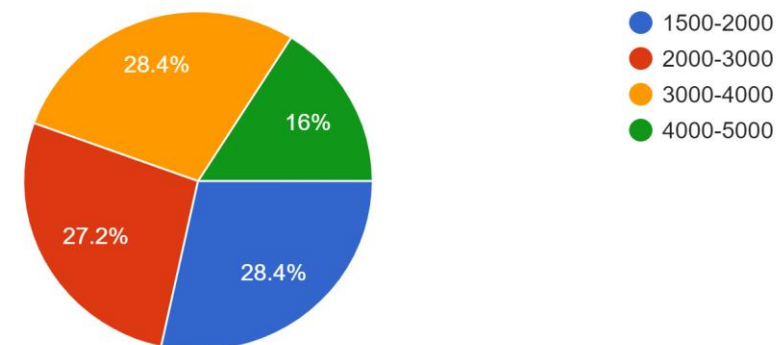
Have you ever had problems when forgetting to turn off electrical devices?

81 responses



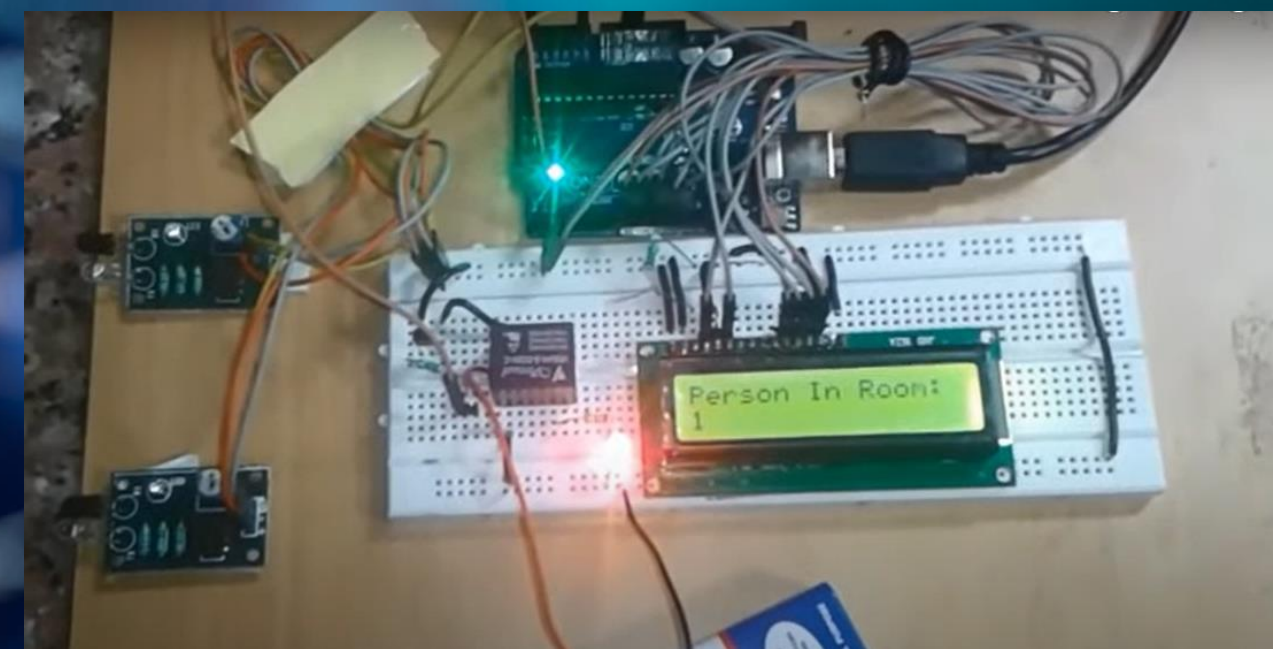
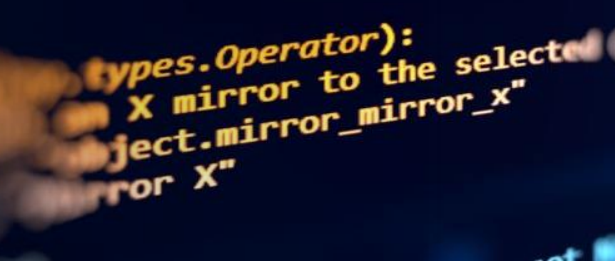
What is an affordable price for smart power saving unit?

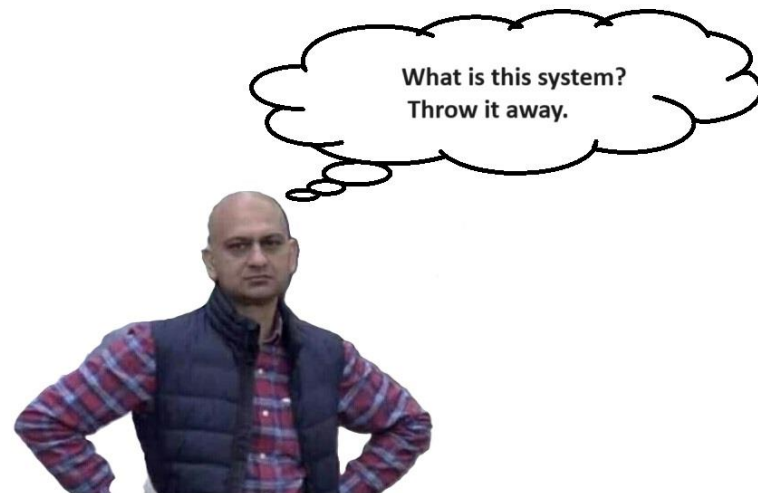
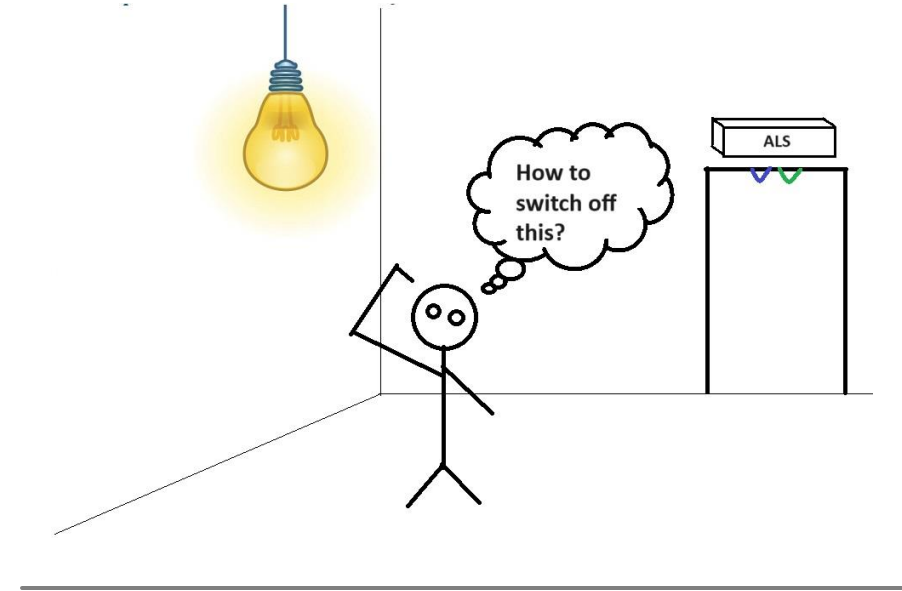
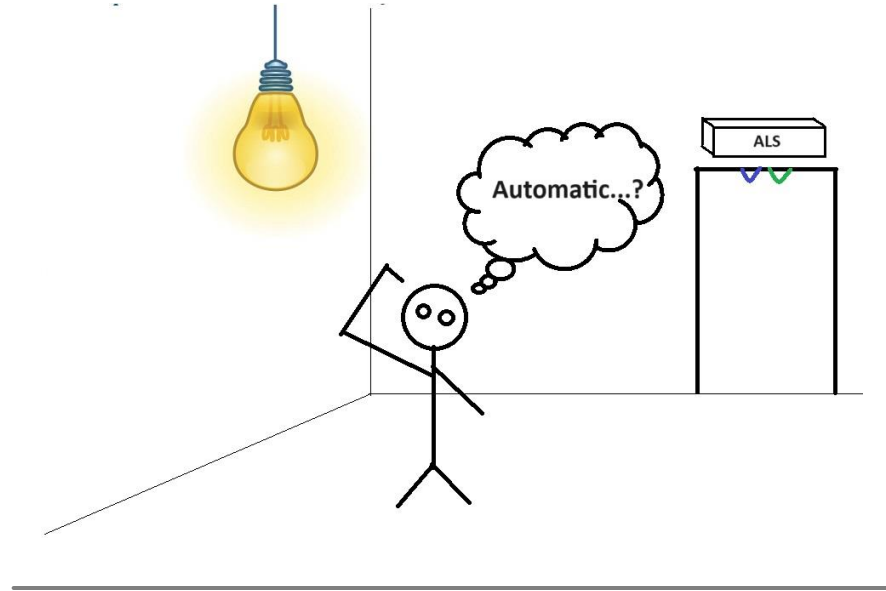
81 responses





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GARDUINO



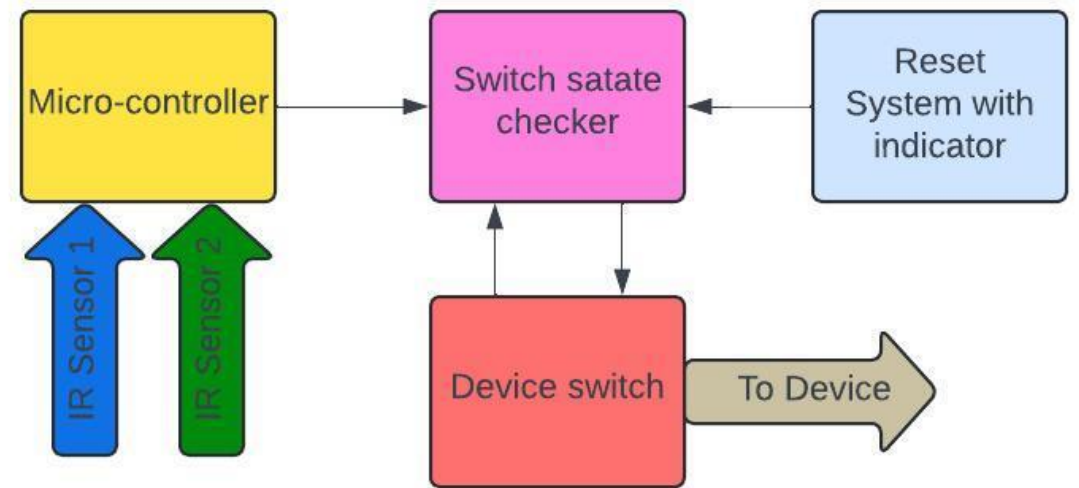
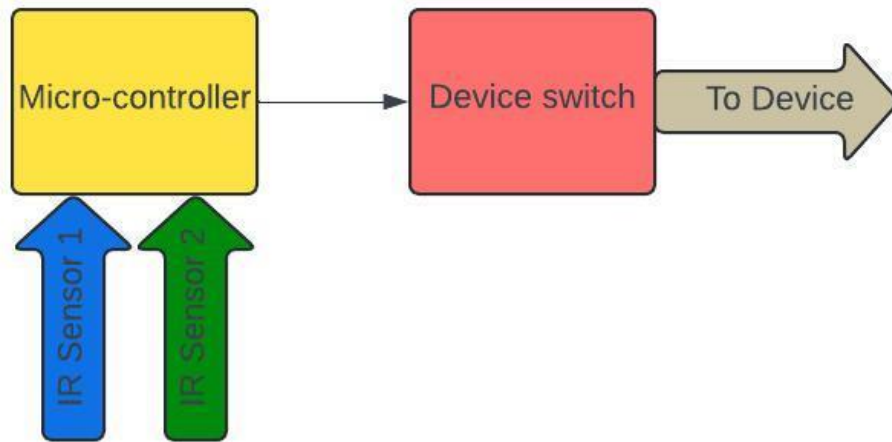


# NO!

# PRODUCT ARCHITECTURE

Before Extend

After Extend

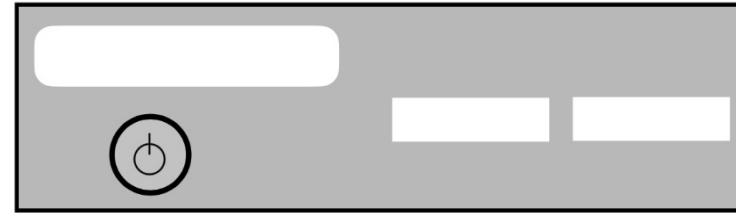
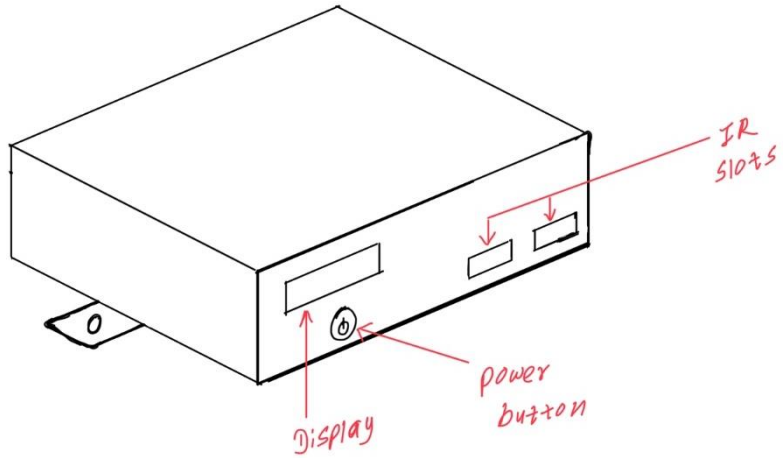




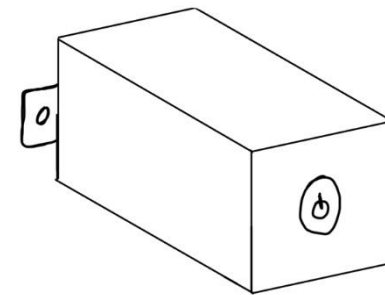




# PRODUCT ENCLOSURE



Front View



User Control Unit



THANK YOU!