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AmpAware

R.V.Kumarage - 220343B
L.G.C. Ransika - 220514C
H.K.P. Samuditha - 220562U
M.N.A. Basith - 220071M

PROBLEM

Picture this: You're getting ready for a much-needed vacation, rushing around trying to finish everything. Among the chaos, you quickly iron a wrinkled shirt. But in the frenzy of packing and saying goodbye, you forget to switch off the iron. Fast forward to your return home after a relaxing trip. Instead of being greeted with peace, you find a hot iron still running and a surprisingly high electricity bill waiting for you. The neglected iron is a perfect example of how even small appliances can quietly use up energy, causing unexpected costs.

Lots of homes don't know how much energy they're using. We don't have info on which appliances are using power right now, which causes a few problems:

- **Forgotten Appliances:** A forgotten iron or other appliance can lead to wasted energy, fire hazards, and hefty electricity bills.
- **Hard to Control:** Since we don't have detailed data on usage, it's tough to figure out where we're using too much energy.
- **Wasting Energy:** Using energy without realizing it not only costs money but also hurts the environment more.

SOLUTION - "AMPAWARE" BASE AND SWITCH

it's a revolutionary current-monitoring plug that unlocks a world of intelligent energy management. Here's how it empowers you to take control of your home's energy consumption

FEATURES

- ·Remote Shut-Off from Anywhere: Imagine this: you're halfway across town, suddenly struck by the horrifying realization – did you turn off the iron? With this plug and its user-friendly smartphone app, worry no more! Simply open the app and remotely switch off the iron (or any appliance connected to the plug) from your phone, no matter your location.

- Smart Current Monitoring: This Plug isn't just about remote control; it's also about intelligent energy management. It monitors the current flowing through the appliance plugged into it.

- Integrated Security Features: Detect movements through a sensor, and upon detection, generate a current through the plug, which can then be monitored via the app (Integrate a switch with the sensor, allowing users to toggle the sensor on and off as needed via the app)

ESTIMATED COST

- 3 Gang one way switch - Rs.880
- 13A plug base - Rs.855
- NodeMCU ESP32S - Rs.1430
- Other expenses - Rs.3000

  Total - Rs.6165