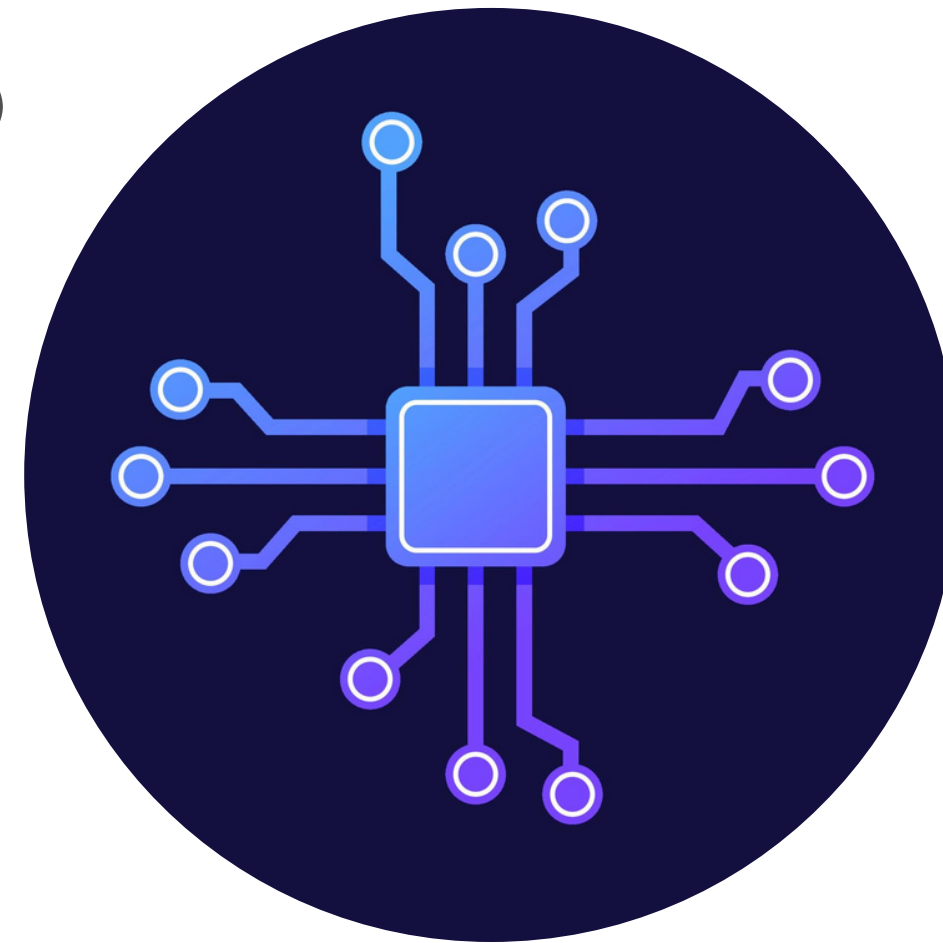


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Smart Modular Power Outlet



PRESENTED BY
KOS TRONICS

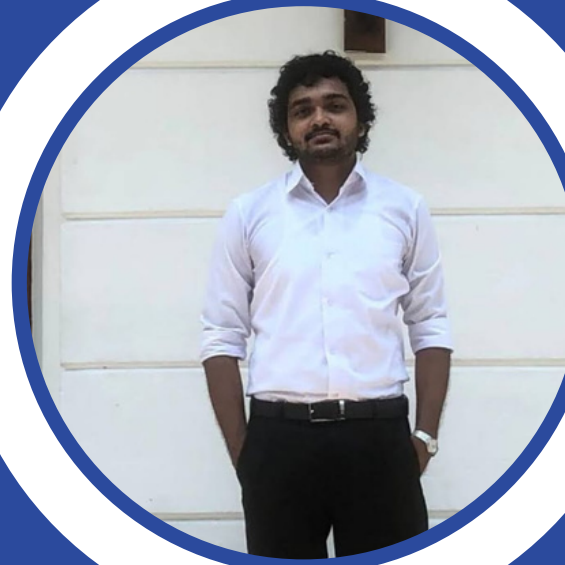
Team KOS Tronics



DINUKA



SANUJA



MIHIRAN



DANIDU

The Need of A Smart Modular Power Outlet

The world is rapidly advancing towards a future where smart technologies are becoming ubiquitous in our daily lives. However, despite this technological progress, there are still many devices and appliances that do not have smart capabilities. One such example is the power outlet. While there have been some attempts to create "smart" power outlets, the majority of them do not live up to the level of sophistication that we have come to expect from modern technology.

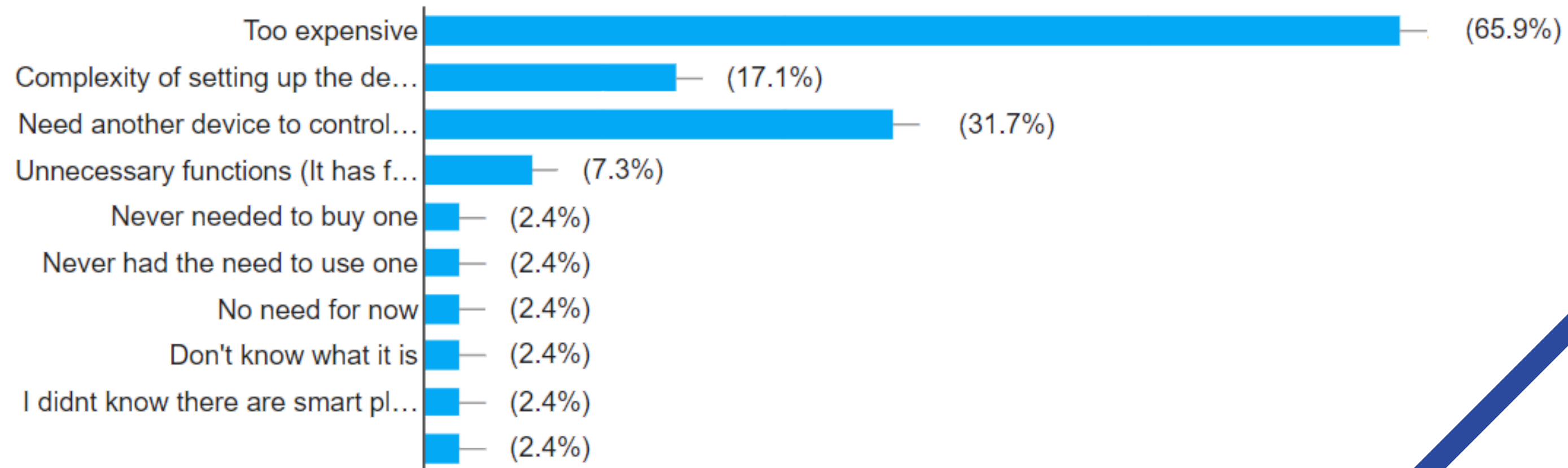


Hidden Problems in the Market

- NOT CUSTOMIZABLE
- NOT REPAIRABLE
- COMPLEXITY OF SETTING UP THE DEVICE
- NEED ADDITIONAL DEVICES TO OPERATE (LIKE ALEXA AI DEVICE)
- TOO EXPENSIVE
- UNNECESSARY FUNCTIONS



Results of Our Our Survey





**WE CAME UP WITH
A SOLUTION!**



INTRODUCING

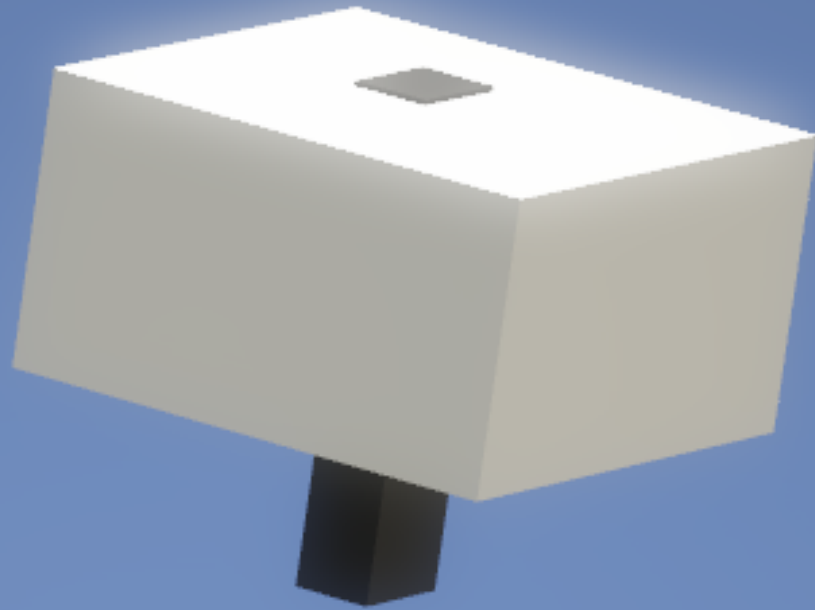
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Smart Modular Power Outlet

"The power outlet of the future! With our modular design, you can customize your outlet to fit your unique needs. Start with the base and add on as you go - it's the smartest way to power up!"

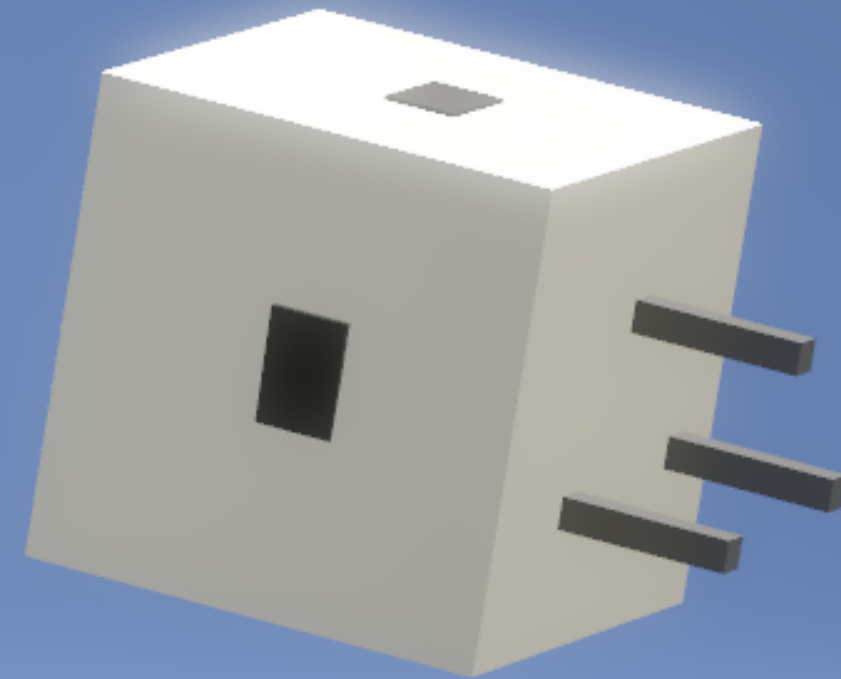
TWO MAIN PARTS

Modules



- BLUETOOTH MODULE
- WIRELESS SWITCH
- TIMER MODULE
- REMOTE MODULE
- PIR MODULE

Power Base



Control the output
based on the inputs from
the modules

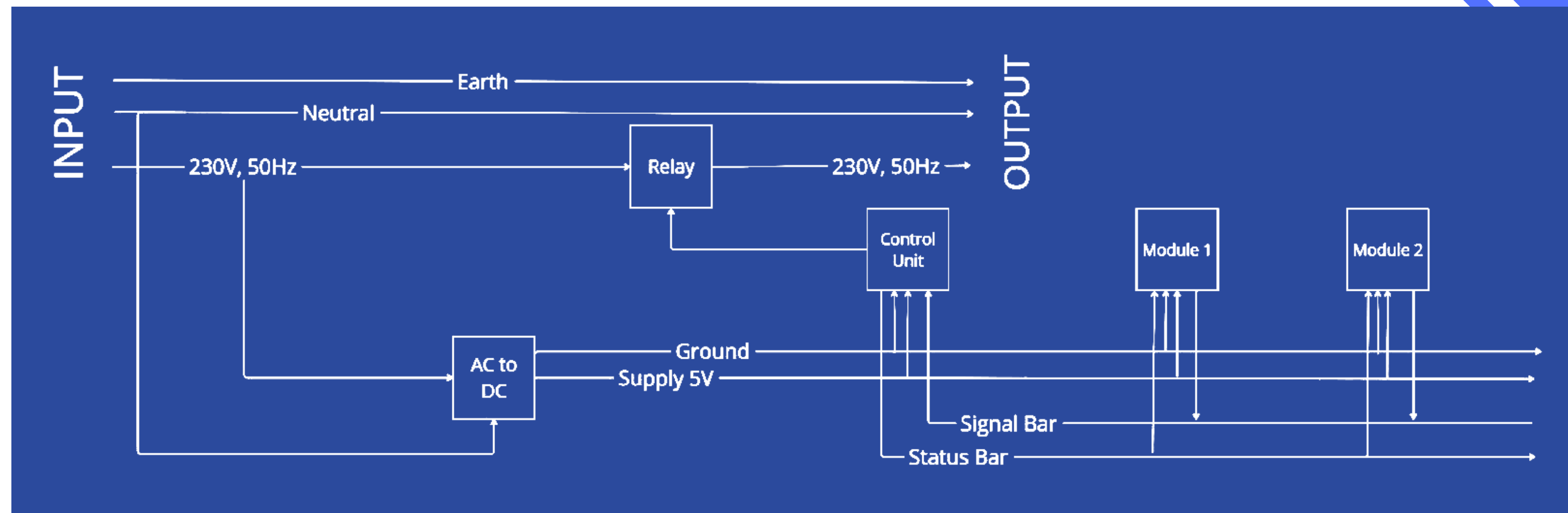
How we are *Unique?*

- We are using a standardize protocol to communicate.
- Power base will be affordable.
- 3rd Parties can develop modules.
- Modules can be swapped based on the interest.
- **Modular**

But How?



The solution we propose is a smart modular power outlet to which the user can attach modules as needed.



MAXIMIZING CUSTOMER SUCCESS



Sales Strategy

- Provide product samples.
- Negotiate terms.
- Set clear expectations and goals.
- Provide marketing support.

After Sales Services

- Technical support.
- Warranty services.
- Customer education.
- Feedback channels.

MAXIMIZING CUSTOMER SUCCESS



Product Packaging

We plan to implement the following concepts into our product packaging.

- Product demonstration
- Minimalist design
- Interactive packaging
- Eco-friendly packaging

Marketing

- Industrial Partnership
- Attend industry events.
- Create joint content.
- Identify potential partners.
- Reach out to potential partners.
- Social media campaign

Budget - Power Base

Component	Price (Rs.)
74HC74 ic (D flip flop)	70
5V single-channel Relay module	75
AC to 5V dc converter	285
4 ports	4 x 30
Enclosure	500
PCB	140
3 Pins (Male, Female)For take 230	80
Other	130
Totoal	Rs. 1400

Selling Price
Rs. 2000

Budget - Modules

Timer Module

Component	Price (Rs.)
NE555 ic	30
PCB	200
Toggle Switch	20
Enclosure	300
Other	300
Total	Rs. 850

Selling Price **Rs. 1200**

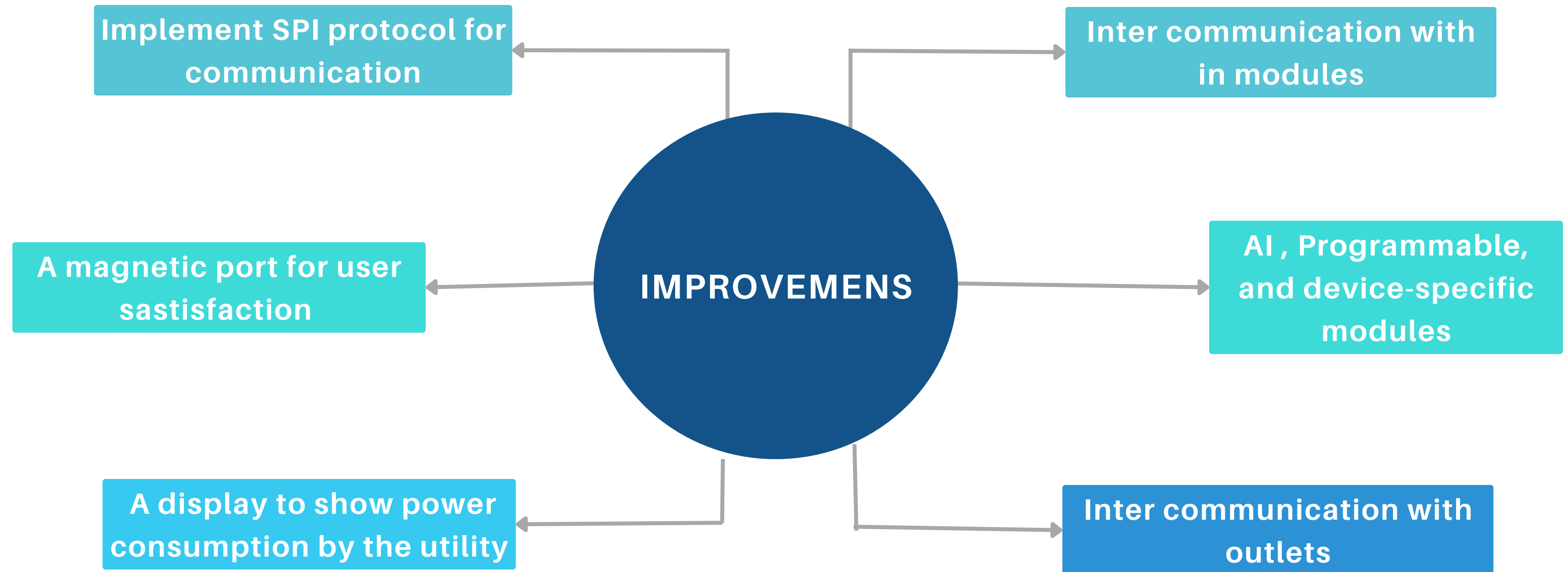
HC06 Bluetooth Module

Component	Price (Rs.)
ATmega 328p	1400
HC-06 Bluetooth Module	1200
PCB	200
Enclosure	300
Others	300
Total	Rs. 3400

Selling Price **Rs. 3700**

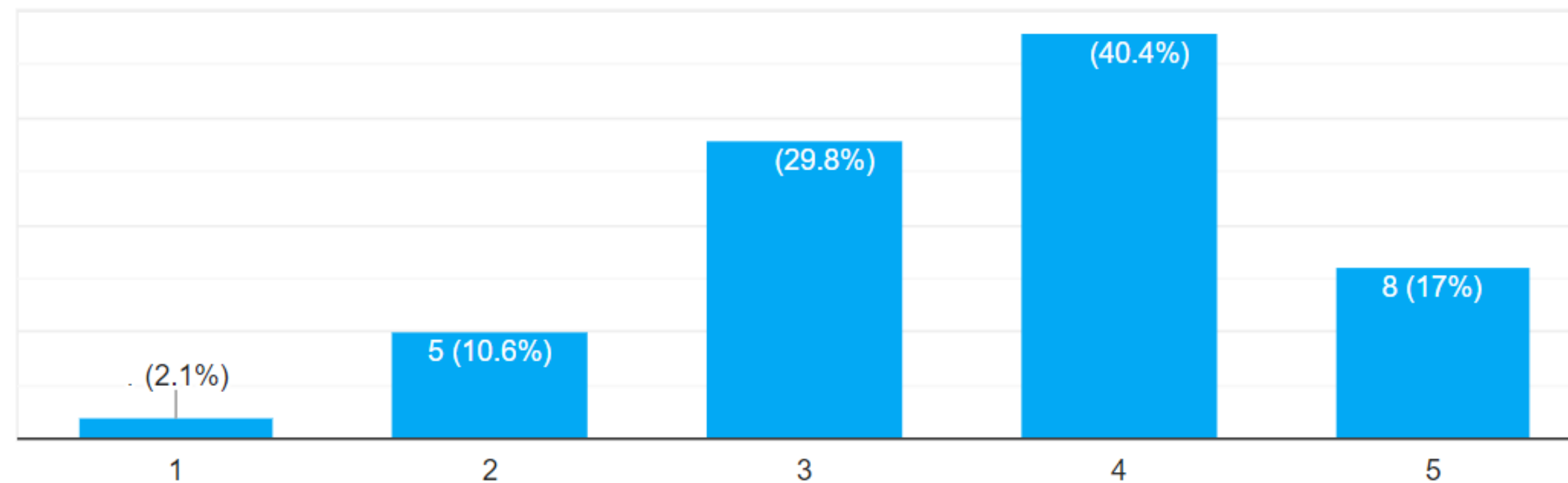
These are prices that we calculated for **developments** and price for **production** will be lower and the **selling** price will be much lower

Future Improvements



Others Views

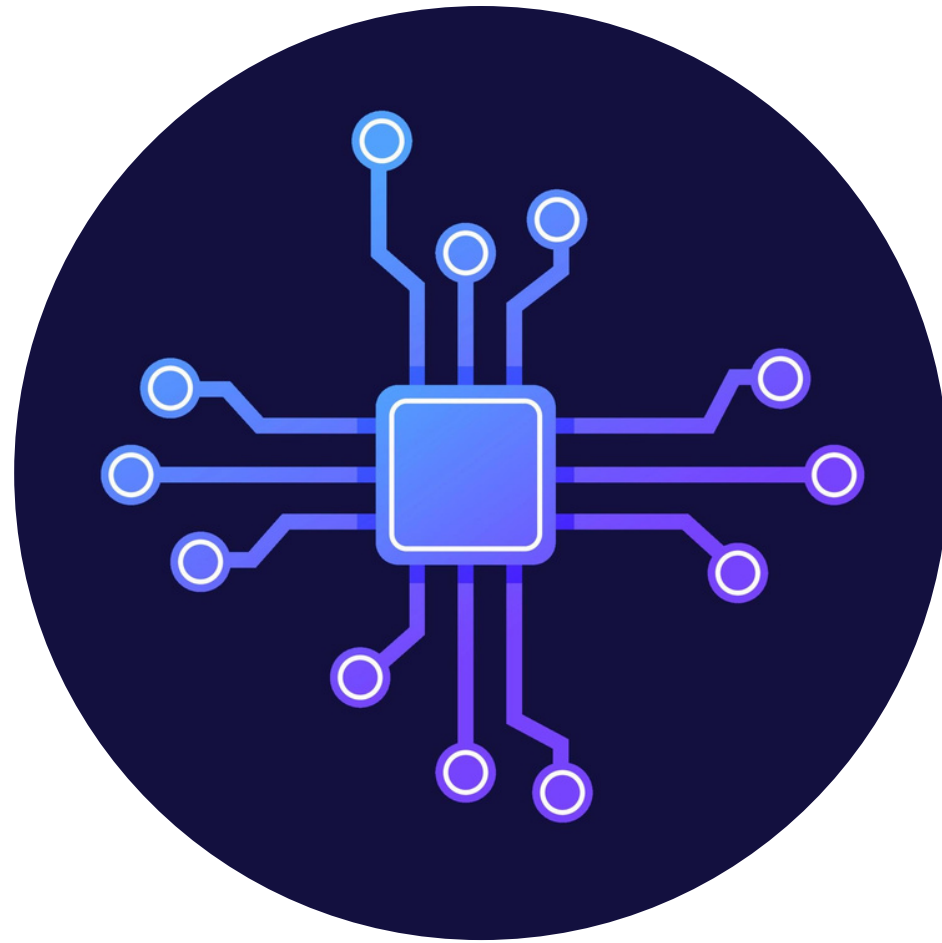
Do you think this proposed solution will satisfy your requirements ?



"Remote controlled power outlet is a great idea!! I hate getting out of my bed to switch on/off stuff."

"Modular approach is very useful and powerful."

"I guess your approach is very practical since the user can have the functionalities that he needed without paying unnecessary amount of money"



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THANK YOU!