

EN1190

FoodFocus Tracker for Analyzing the Consumption of Salt, Sugar and Cooking Oil

Group members

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FOCUS
food



Raise of the Problem and the Solution

Problem

Overconsumption of salt, sugar and cooking oil leads to health issues.

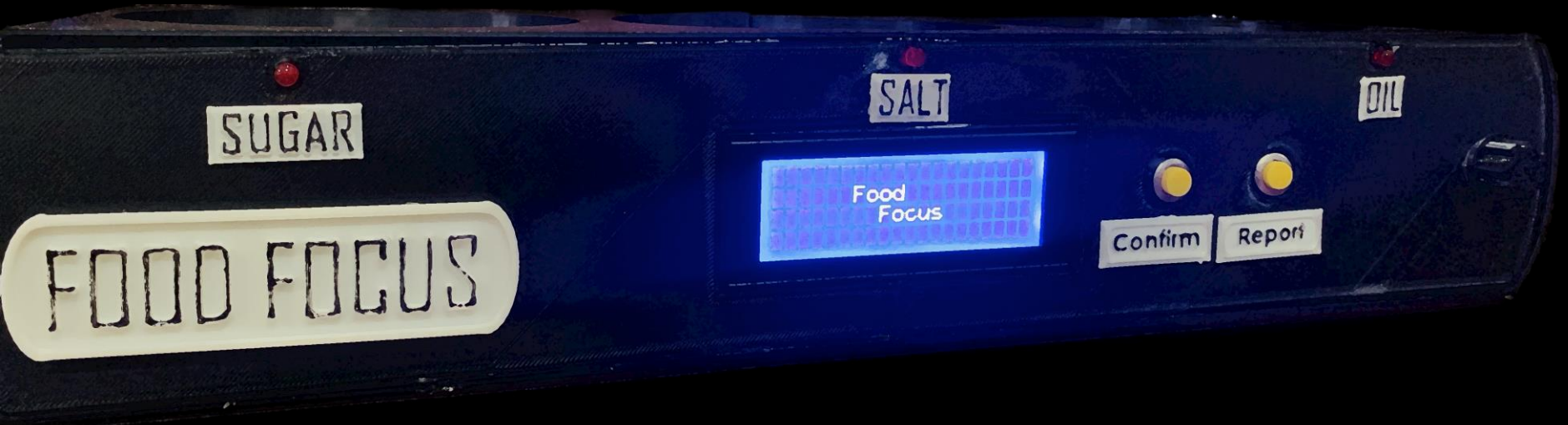
Solution

A device to track and analyze the consumption.

Customer Base

Anyone interested to know their intake.

The Solution





Specifications



LCD display and push buttons for health reports

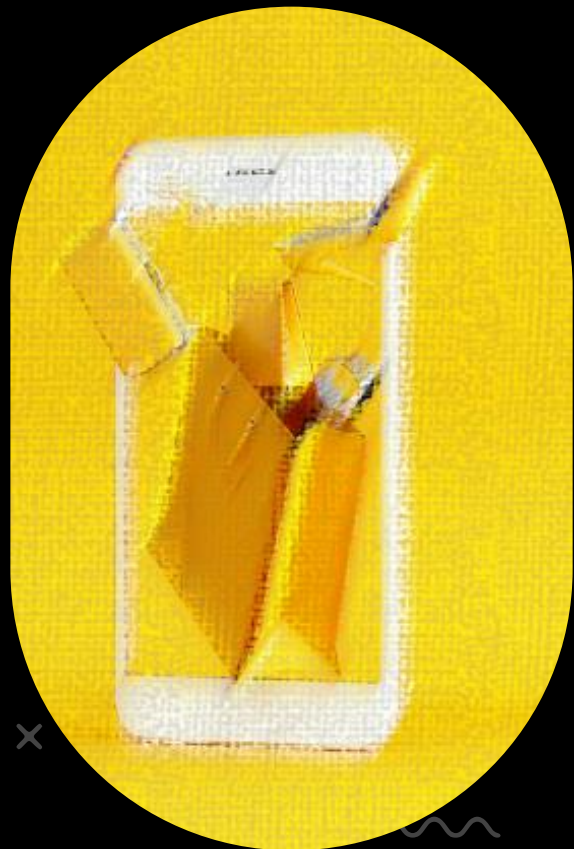
Multi-purpose knob for navigating through menus

LED indicators for daily consumption limit.

Labelled compartments, buttons and silent mode for user convenience.

Clock and timer functionalities

Past, Present and Future



- Problem: People suffer from health issues because they don't know how much salt, sugar and cooking oil they consume daily.
- Worked as a group for about five months implementing a solution.
- A 'smart rack'-like device to keep salt, sugar and cooking oil as compartments.
- Indicates daily usage, detailed reports etc. along with clock, timer functions.
- Marketable to health-concerning individuals.

Bill of Quantities

Components	Price(Rs)
5V power supply	850
ATmega328P chip	1400
Components	10,080
PCB	2870
Enclosure	4500
Miscellaneous	2900
Total	Rs. 22,600

Thank
you