OK. Please proceed. Pay attention to "Convenience".

Note that people use multiple types of containers to store different type of spices. Will you be providing a set of containers or do you plan to support any type of container? Also note that change in spice content will be very small. Can you detect the change?

PROJECT PROPOSAL

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Tracker for Analyzing the Consumption of Cooking Spices

Team name — **Vanguard** Silicon

Members —

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Project Proposal: Tracker for Analyzing the Consumption of Cooking Spices

1. ***Introduction***: This is to propose a project for developing a device named SpiceTally that can track and analyze the consumption of cooking spices, (i.e., salt, chili etc.) sugar and cooking oil in households. The project aims to use a load cell underneath each compartment of condiment to calculate the weight reduction and to report on whether the consumption is within the healthy range. The project targets individuals who are concerned about their health and want to avoid overconsumption of kitchen spices.

2. ***Purpose***: The purpose of the project is to create a device that can help individuals track and manage their intake of condiments. The device will use load cells to measure the weight of spices and calculate the weight reduction, providing feedback on whether the consumption is in the healthy range or not. The device will also store long-term data to analyze the changes in the consumption over time.

3. ***Features:*** The SpiceTally device will have the following features:

   - Measure and display the real time usage of the condiments, sugar and cooking oil.
   - Report on whether the consumption is in the healthy range or not.
   - Input methods for number of family members, separating adults and children.
   - Long-term data storage for analysis of changes in spice consumption over time.
   - Real-time clock system to sync the device with the local time.
   - LCD display and/ or other communication techniques to provide feedback to the user.
   - Buttons for initial calibration and 'reset in the situations like refilling the compartments and when the user need not to include the weight change in the measurement.
   - Power supply through the domestic main power supply via a power-pack.

4. ***Target Users***: SpiceTally targets individuals who want to avoid overconsumption of cooking spices. The device is particularly useful for households with multiple family members. With real-time feedback and long-term data storage, SpiceTally enables users to make informed decisions about their spice intake and maintain a healthy lifestyle. The team behind the product is committed to offering an affordable and accessible solution that promotes healthier eating habits for individuals and families.

5. ***Conclusion***: According to the proposal, SpiceTally will be an innovative device that will monitor, analyze, and provide users with a real-time feedback mechanism, which will inform them whether their spice consumption falls within healthy ranges or not. Furthermore, the device will store long-term data, which can be used for in-depth analysis of one's dietary habits. This product is expected to be especially beneficial for health-conscious individuals who want to ensure they are not overconsuming spices in their meals. The proposed project will undergo a rigorous process of research and development, testing, and refinement, which will eventually lead to the creation of a prototype. The estimated budget for this project is approximately 10,000 LKR, which is a modest cost considering the potential benefits that SpiceTally could provide to users. If successful, this project has the potential to revolutionize the way people track their spice consumption and promote healthier eating habits in households across the world.