🔍 Problem Statement

Cooking in Indian homes is often imprecise "add to taste" or "cook until done" leaves room for error. This is dangerous for those managing conditions like hypertension, diabetes, or heart issues, where slight miscalculations in salt or sugar can lead to serious consequences. Cooking is a daily act, yet there's no tool that combines precision, health personalization, and ease.

💡 Solution – TASTE+

TASTE+ is an AI-powered modular kitchen tool with a smart handle, digital display, and swappable attachments like spoons and stirrers. It ensures precise ingredient measurement and cooking control, customized to the user's health profile and dish.

🔧 What It Does

- **Real-Time Ingredient Feedback:** Alerts if too much/little of an ingredient is being added.

- **Health-Safe Cooking:** Tailors limits based on health conditions (e.g., low sodium).

- **Smart Stirring & Heating:** Attachment monitors temperature and consistency.

- **App-Controlled Cooking:** Choose dishes, set servings, input dietary needs.

🛠️ Form Factor

- **Product:** Modular handle with digital display + attachable tools (spoon, stirrer).

- **App:** Companion mobile app for dish selection, health settings, and customization.

🎯 Target Users

- Elderly individuals managing sodium/sugar intake.

- People with health conditions like diabetes or heart issues.

- New cooks need precise recipe guidance.
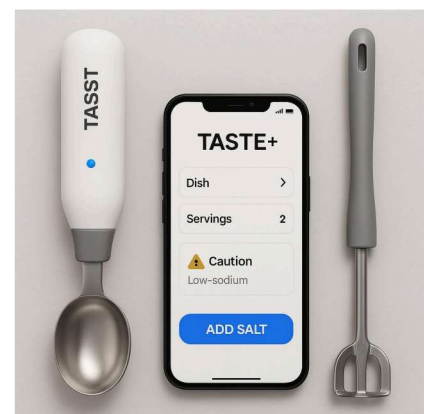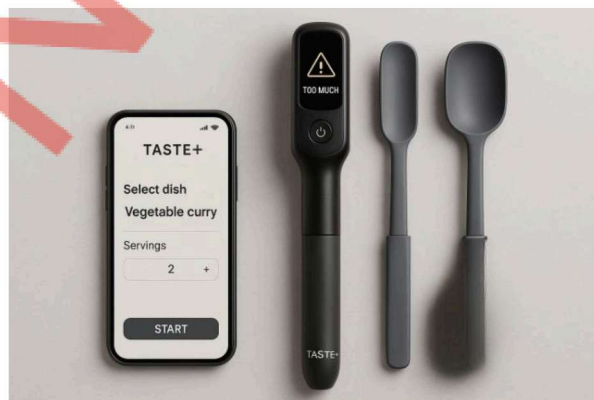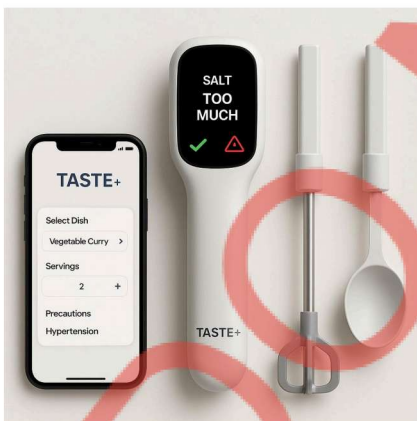
- Caregivers preparing food for patients.

- Health-conscious families ensure balanced diets.

⚙️ Hardware & Design

- **Handle Design:** Ergonomic grip with LED display.

- **Attachments:** Precision measuring spoon, temperature-sensing stirrer.

- **Sensors:** Ingredient weight detection, stirring motion, heat level.

- **Battery:** Rechargeable, with 6–8 hours of active use.

- **Connectivity:** Bluetooth to sync with mobile app.

📱 App Features

- **Dish Selection:** Pick from pre-set or custom recipes.

- **Health Profile Input:** Set dietary conditions—diabetic, low-sodium, etc.

- **Live Alerts:** Warns if ingredient thresholds are crossed.

- **Progress Guide:** Step-by-step cooking support.

- **Data Sync:** Logs meals, usage trends, and improvements over time.