SUPERSTAY / HACKATHON CONCEPT

# Voice ordering for retail and restaurant counters

Prepared for Professor Soumya Banerjee, University of York

SuperStay has one paying customer live and is preparing to onboard more merchants. We propose a student challenge that starts at the counter: turn a spoken order into an editable draft in the point-of-sale system (POS).

## The challenge

**Retail.** Say “one kilo of basmati rice.” The POS fills in the weight and suggests matching products from the shop catalogue. If several brands match, the cashier picks the right one before confirming.

**Restaurant.** Say “one chicken burger, no onions, and two fries.” The POS drafts both items with their quantities and keeps “no onions” attached to the burger for the kitchen.

This extends the Smart Kitchen Backend brief from voice-note transcripts to live order entry. A confirmed order can feed the inventory module through a test POS event, updating retail stock or recipe-based ingredient usage.

## What teams would demo

Use a sample catalogue and menu to show speech capture, item and modifier matching, and cashier review. Test background noise, mixed Hindi and English, and unclear brands or quantities. Compare item and quantity accuracy, time to a correct order, and manual corrections against typing. Show one confirmed order flowing through to inventory.

## Proposed prize · A hosted Ladakh field visit

Give the winner a chance to see their prototype at a merchant counter in Leh, talk with local operators and share a demo with SuperStay. The illustrative budget covers one recipient for three nights, using Delhi as the domestic departure point.

| Proposed coverage | Planning estimate |
|---|---|
| Round-trip economy flights (Delhi–Leh) | ₹18,000 |
| Accommodation (three nights) | ₹7,500 |
| Meals during the visit | ₹3,500 |
| Airport transfers and local transport | ₹6,000 |
| **Estimated total per recipient** | **₹35,000** |

For discussion. Confirm dates, eligibility, number of recipients and budget before announcing the prize. Travel to Delhi or from overseas would need a separate estimate.

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