

# Dietary and Nutrition Management System

Designed & Presented by: Yanhui Ma



# Background Information

- ❖ Malnutrition remains a prominent and substantial concern in Australian aged care facilities
- ❖ Call for a collaborative and methodical approach
- ❖ Directing the building of a user-friendly and effective food and nutrition management system



# Objectives Of The Prototype

- ❖ Directs the current nutrition management approach
- ❖ Facilities a dietary and nutrition management system
- ❖ Integrates the key features identified from the research into one system design
- ❖ Ensures the sample, convenient and easy to use





Resident  
Profile  
Management



Food Tracking  
and Analysis



Meal Planning  
and Nutrition  
Management



Feedback and Reviews

Implement regular mealtime audits and feedback mechanisms to gather residents' input on food quality, presentation, and overall dining experience.



Staff Education and Workshop

Recipes and advice are provided for common health problems and physical illnesses in old age.





# Residential Profile Management



Nutritionist

Home

Resident Profile Management

Dashboard

Resident Profile


Analysis

Meal Plan

Workshop

Feedback

Report



Dr. Kiran Patel

Nurse

Basic Information

Name

John

Age

73

Gender

Male

Height

172cm

Weight

86Kg

Religion

Buddhism

Allergen History

Soybean

Dietary Favor

Heavy Salting

Beef

Pork

Lam

Milk

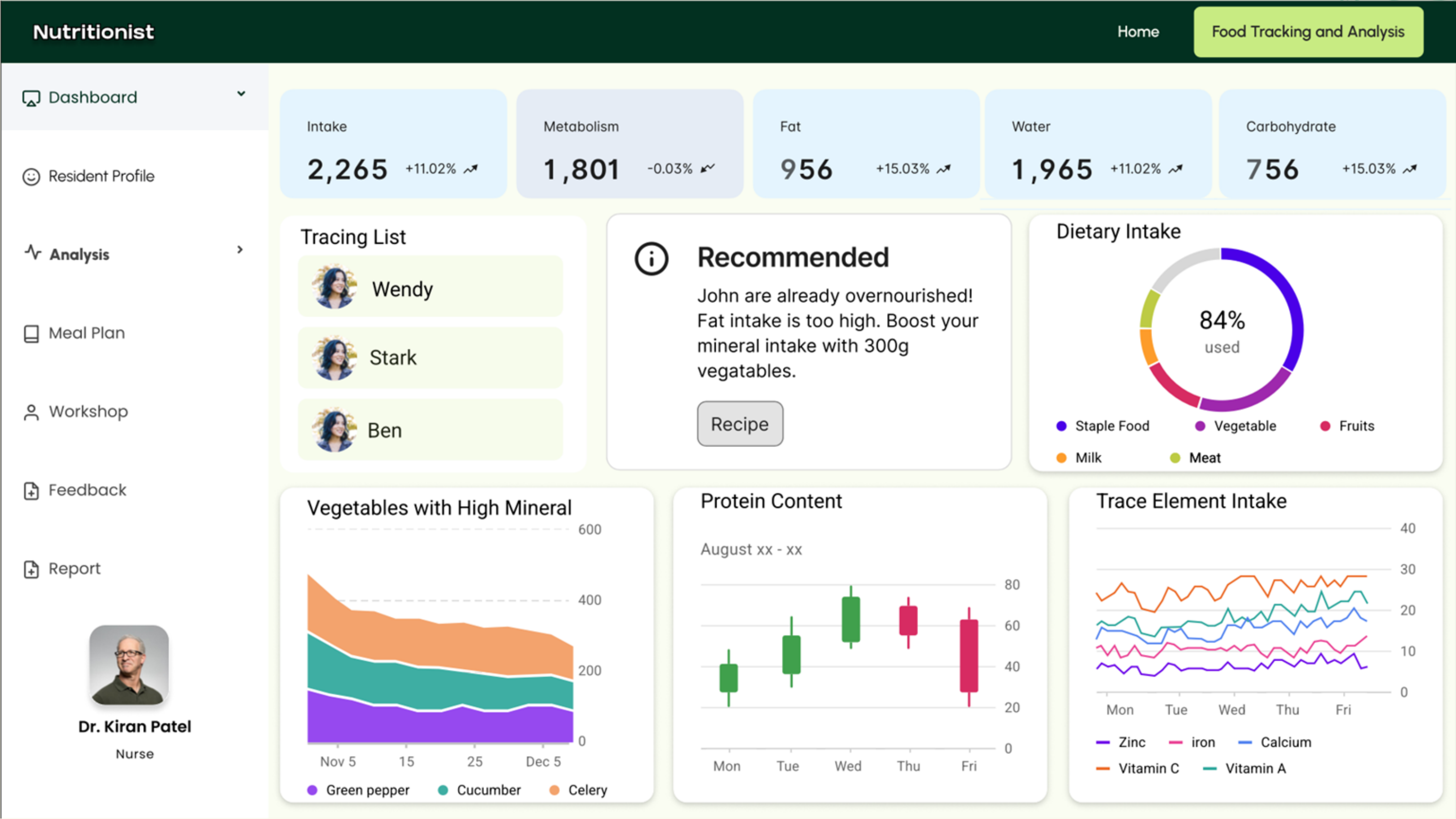
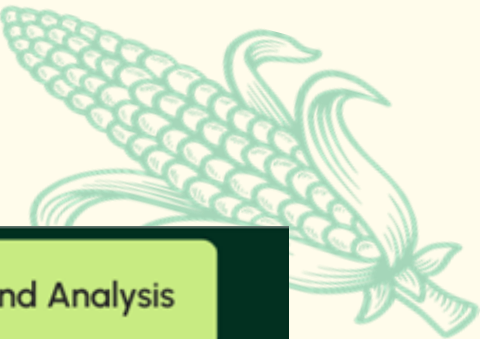
33.3

BMI

You are obese body weight!

Items	Standards	Actual Value	Status
Oral Health	DMFT = 0-28	30	Warning
Blood Pressure	120/80 mmHg	128/85 mmHg	High
Blood Sugar Monitoring	Fasting < 5.6 mmol/L Postprandial < 7.8 mmol/L	6.5 mmol/L 8.5 mmol/L	Warning
Cholesterol levels	< 5.2 mmol/L	6.1 mmol/L	Warning
Calf Circumference	31 - 37 cm (Male) 30 - 36 cm (Female)	32 cm	Normal
Mental Health	Stabilization	Cheerful	Normal

# Food Tracking and Analysis



# Meal Planning and Nutrition Management



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Dr. Kiran Patel

Nurse

300g

Vegan Goal

Recommended

food recipes

Vegan

Pescatarian

Meat

Keto

Vegetarian

Juice

Soup

15m

260 g

Fall Spinach Salad

Start Cooking

Fall spinach salad

Stir-fried noodles

Stir-fried noodles



# Staff Education and Workshops



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Dr. Kiran Patel

Nurse

Malnutrition

French Green Salad

Discover the joy of a truly nourishing meal.

125 kcal

Diabetes

French Green Salad

Discover the joy of a truly nourishing meal.

125 kcal

High Blood Pressure

French Green Salad

Discover the joy of a truly nourishing meal.

125 kcal

High Cholesterol

French Green Salad

Discover the joy of a truly nourishing meal.

125 kcal

Rarefaction of Bone

French Green Salad

Discover the joy of a truly nourishing meal.

125 kcal

Angiocardopathy

French Green Salad

Discover the joy of a truly nourishing meal.

125 kcal

Cognitive Function

French Green Salad

Discover the joy of a truly nourishing meal.

125 kcal

Digestive System

French Green Salad

Discover the joy of a truly nourishing meal.

125 kcal

Oral Health

French Green Salad

Discover the joy of a truly nourishing meal.

125 kcal



# Feedback and Reviews



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Dr. Kiran Patel

Nurse

John

Better than I thought. I thought I could never eat potatoes again with diabetes.

Anne

I suspect my analysis is not accurate, I've been following it since the last feedback and recipe, but my calf circumference hasn't changed at all.

Jerry

The recipes here have refreshed my knowledge, I thought I already knew everything about cooking, but it is always innovating.

Ben

I don't know why, they always give me vegetables, I want meat. My mood is not good, how can the body be healthy.

Tom

I want to eat what I want to eat, I also want to be healthy, what food can fulfill my wish and replace fried chicken.

Shark

I feel better and better, and to my surprise there are fewer wrinkles.

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# Thanks!!

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