

## NutriConnect Project Overview and Contributions

### Abstract Idea

"Nutrition Connect" (NutriConnect) is a web-based platform that connects individuals with dietitians and nutritionists to promote healthy dietary practices through personalized meal plans, professional consultations, and nutrition tracking. Built using the **MVC (Model-View-Controller)** model, it ensures modular and scalable development. The platform facilitates seamless communication between users and health experts, offering educational resources for informed dietary choices. It empowers users to achieve fitness and wellness goals with an intuitive, accessible interface.

### Key Features

- **Dashboards:** User, admin, organization, and dietitian dashboards for managing profiles, subscriptions, and progress.
- **Consultations:** Real-time chat and video conferencing between users and dietitians, with slot-based booking and user testimonials.
- **Meal Plans and Tracking:** Personalized meal plans and daily progress tracking (e.g., weight, water intake) for users.
- **Blogs and Chatbot:** Blog uploads by users and dietitians with thematic categorization, plus a static chatbot handling 100–150 queries.
- **Medical Reports:** Dynamic submission and viewing of medical reports, supporting multiple file uploads for users and dietitians.
- **Pricing and Membership:** Basic, Premium, and Ultimate plans with consultation limits (No Plan: 2, Basic: 4, Premium: 6, Ultimate: 8) and meal plan allocations (Default: 4, Basic: 8, Premium: 8, Ultimate: unlimited).
- **Revenue Tracking:** Admin dashboard for monitoring daily, monthly, and yearly revenue.
- **Queries:** User queries to admin with responses sent via email (Outlook or Gmail).
- **Verification:** Admin verifies organizations, and organizations verify dietitians.

### Web Stack Used

- **Frontend:** HTML, CSS, EJS, Bootstrap CSS for responsive and user-friendly interfaces.
- **Backend:** Node.js with Mongoose for MongoDB integration, managing data and API endpoints.
- **Architecture:** Fully implemented in the MVC model for modular and scalable development.

### Business Model and Architecture

- **B2B:** Business between admins and dietitians, enabling consultation management and professional coordination within the platform.  
This ensures dietitians are effectively onboarded and verified for service delivery.
- **B2C:** Business between clients and admin through membership plans, granting users access to personalized health services.  
Membership tiers provide varying levels of consultations and meal plans.

## Individual Contributions

### PABBU SAKETH (Roll No: S20230010169)

- Developed dashboards for users, admins, organizations, and dietitians.
- Implemented organization verification by admin and dietitian verification by organization.
- Built daily progress tracking and personalized meal plan functionality with user and dietitian access.
- **Schemas Used:** User, Organization, Admin, DietPlans, Progress.

### NERELLA VENKATA SRI RAM (Roll No: S20230010164)

- Created chat interface for client-dietitian communication, including video conferencing links.
- Built blog interface for URL/image uploads with thematic categorization.
- Implemented static chatbot for 100–150 predefined queries.
- **Schemas Used:** Chat, Chatbot, Blogs.

### INALA SYAMA SRI SAI (Roll No: S20230010104)

- Ensured booking functionality with slot management and conflict prevention.
- Developed diet plan search and dietitian filtering by language, fees, and location.
- Added testimonial functionality for user feedback.
- **Schemas Used:** Dietitian, DietitianInfo, BookedSlots

### NULAKAJODU MAANAS ANAND (Roll No: S20230010166)

- Built medical report submission and viewing pages for multiple file uploads.
- Developed queries and contact us page with admin email responses via Outlook/Gmail.
- Managed query handling between users and admin.
- **Schemas Used:** Queries, LabReports.

### NITTA PRADEEP (Roll No: S20230010165)

- Created pricing plans page (Basic, Premium, Ultimate) and consultation fees management.
- Built admin revenue tracking for daily, monthly, and yearly reports.
- Managed plan-based functionality for consultations and meal plans.
- **Schemas Used:** Subscription

## Outcomes

NutriConnect delivers a scalable, user-centric platform that streamlines dietary planning and health management. The collaborative efforts of the team, leveraging the MVC architecture, resulted in a robust application addressing diverse nutritional needs.