Project Initialization and Planning Phase

Date	21 July 2024
Team ID	SWTID1720601299
Project Name	Nutrition App Using Gemini Pro : Your Comprehensive Guide to Healthy Eating and Well-being
Maximum Marks	3 Marks

Project Proposal (Proposed Solution) report

The proposal report aims to transform dietary and nutritional guidance using advanced AI, enhancing the effectiveness and personalization of recommendations. It addresses the challenges of generic dietary advice, promising better user satisfaction, improved health outcomes, and more tailored nutritional insights. Key features include personalized meal plans, nutritional feedback, and wellness tips based on individual user data and goals.

Project Overview	
Objective	The primary objective is to revolutionize dietary and nutritional guidance by implementing advanced AI techniques, ensuring personalized and accurate recommendations.
Scope	The project comprehensively assesses and enhances the nutritional guidance process, incorporating AI for a more tailored and effective system.
Problem Statement	
Description	Addressing the lack of personalized dietary recommendations that cater to unique dietary preferences, health conditions, and fitness objectives.
Impact	Solving these issues will result in improved dietary habits, enhanced health outcomes, and overall user satisfaction, contributing to better well-being and a stronger relationship with our brand.
Proposed Solution	
Approach	Employing AI techniques to analyze user data, dietary preferences, and health goals, creating a personalized and adaptable nutritional guidance system.

Key Features	-Implementation of AI-based dietary assessment and recommendation model. -Real-time nutritional feedback and meal planning for personalized guidance. -Continuous learning to adapt to evolving health and nutritional trends.

Resource Requirements

Resource Type	Description	Specification/Allocation
Hardware		
Computing Resources	CPU/GPU specifications, number of cores	T4 GPU
Memory	RAM specifications	8 GB
Storage	Disk space for data, models, and logs	1 TB SSD
Software		
Frameworks	Python frameworks	Flask
Libraries	Additional libraries	scikit-learn, pandas, numpy, matplotlib, seaborn
Development Environment	IDE	Jupyter Notebook, pycharm
Data		
Data	Source, size, format	User-submitted data, varying sizes, JSON