Project Initialization and Planning Phase

Date	15 March 2024
Team ID	SWTID1720259116
Project Title	Nutrition App Using Gemini Pro: Your Comprehensive Guide to Healthy Eating and Well-being
Maximum Marks	3 Marks

Project Overview	
Objective	This project builds a mobile app using Gemini Pro's AI to empower users with healthy eating. It will identify food, analyze nutrients, and personalize recommendations based on goals. Educational content and recipe integration guide users towards achieving their health and wellness objectives. The app simplifies healthy eating by offering a user-friendly platform for informed dietary decisions and successful goal achievement.
Scope	The project builds a mobile app (iOS & Android) for healthy eating. It uses Gemini Pro to identify food from pictures and analyze nutrients. Users track their diet and gain insights into progress. We may add features like goal setting, recipe suggestions, and educational content. The focus is on core functionalities with room for future expansion based on user needs.
Problem Statement	
Description	This project builds a mobile app, "[App Name]," to simplify healthy eating. Users snap pictures of food, and Gemini Pro identifies them, analyzing nutrients. Track your diet and gain insights into reaching your goals (weight loss, muscle gain). We may include goal-based recommendations, recipe suggestions, and educational content. Nutrition App Using Gemini Pro: Your Comprehensive Guide to Healthy Eating and Well-being empowers users with the tools for informed choices and long-term healthy habits.
Impact	This app empowers users to eat healthier. It uses AI to analyze food pictures, giving detailed nutrition info. Users track their diet and see progress towards goals. It simplifies healthy eating and may include educational content and recipe suggestions. This could lead to better health outcomes and increased knowledge about nutrition for a wider population.
Proposed Solution	
	This project proposes a mobile app that utilizes Gemini Pro's AI to identify food and analyze its nutrition. It personalizes diet tracking and offers insights for reaching health goals, empowering users to make informed food choices.
Approach	This project uses a user-friendly mobile app to make healthy eating easier. Users snap pictures of food, and AI identifies it with Gemini Pro. The app tracks your diet and provides insights to reach your goals. It may offer personalized recommendations and integrate with

	recipe databases (optional). This user-centric approach, powered by AI, simplifies healthy eating and empowers users to make informed choices.
Key Features	This app uses AI to identify food in pictures (Gemini Pro) and analyze its nutrients. It tracks your diet and offers insights on reaching goals. It may include goal-based recommendations and recipe suggestions, empowering you to eat healthier.

Project Proposal (Proposed Solution) report

This proposal outlines the development of a mobile application that utilizes Gemini Pro's capabilities to empower users to make informed dietary decisions and achieve their health and wellness goals. The app, titled Nutrition App Using Gemini Pro: Your Comprehensive Guide to Healthy Eating and Well- being (to be determined), will serve as a comprehensive guide to healthy eating and well-being.

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	
Libraries	Additional libraries	scikit-learn, pandas, numpy, matplotlib, seaborn
Development Environment	IDE	Jupyter Notebook, pycharm
Data		
Data	Source, size, format	Kaggle dataset, 614, csv UCI dataset, 690, csv