Project Initialization and Planning Phase

Date	12 July 2024
Team ID	SWTID1720197873
Project Title	Nutrition App Using Gemini Pro : Your Comprehensive
Maximum Marks	3 Marks

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Project Proposal (Proposed Solution) template

This project proposal outlines a solution to address a specific problem. With a clear objective, defined scope, and a concise problem statement, the proposed solution details the approach, key features, and resource requirements, including hardware, software, and personnel.

Project Overview	
Objective	To develop an AI-driven nutrition app that provides personalized meal plans, accurate nutritional analysis, and expert guidance to help users maintain a balanced diet and achieve their health goals.
Scope	**Nutritional Analysis**: Offer accurate analysis of logged food intake and provide healthier alternatives.
Problem Statement	
Description	Users struggle to maintain a balanced and personalized diet that meets their unique health goals and dietary preferences. This issue arises due to the lack of personalized nutrition plans, time-consuming tracking methods, unreliable information, and insufficient guidance
Impact	▢ Improve users' overall health and well-being by providing tailored nutrition plans.

	☐ Save users time and effort in tracking their food intake and planning meals. ☐ Enhance users' ability to make informed dietary choices with access to reliable nutritional information.
Proposed Solution	
Approach	**AI Integration**: Utilize AI to generate personalized meal plans and provide accurate nutritional analysis.
Key Features	Highlight the unique aspects of the proposed solution

Resource Requirements

Resource Type	Description	Specification/Allocation
Hardware		
Computing Resources	CPU/GPU specifications, number of cores	e.g., 2 x NVIDIA V100 GPUs
Memory	RAM specifications	e.g., 32 GB
Storage	Disk space for data, models, and logs	e.g., 2 TB SSD
Software		
Frameworks	Python frameworks	e.g., Streamlit
Libraries	Additional libraries	e.g., google-generativeai
Development Environment	IDE, version control	e.g., Jupyter Notebook,VSCode, Git
Data		
Data	Source, size, format	e.g., Prompt engineering, User own input, Zero-Shot learning