Project Initialization and Planning Phase

Date	21-07-2024
Team ID	SWTID1719942077
Project Title	CareerMapper: AI-Powered Personal Career Mapping using Palm's text-bison-001
Maximum Marks	3 Marks

Project Proposal (Proposed Solution) report:
CareerMapper is an innovative platform designed to provide personalized career mapping, guidance, and job recommendations based on individual interests, skills, and career goals. Leveraging the power of AI technology, CareerMapper assists users in navigating their career paths by analyzing their unique characteristics and providing tailored recommendations to help them achieve their professional aspirations. Whether users are exploring new career opportunities, seeking advancement in their current fields, or undergoing a career transition, CareerMapper offers personalized insights and resources to support their journey towards career success.

Project Overview	
Objective	The primary objective of this project is to develop and launch CareerMapper, a platform that utilizes AI to: • Analyze user data, interests, skills, and career goals. • Generate personalized career maps, educational pathways, and job recommendations. • Empower users to make informed decisions about their career paths and achieve their professional aspirations.
Scope	This project encompasses the design, development, and deployment of a user-friendly platform. CareerMapper will leverage the capabilities of Palm's Text-Bison-001 to analyze user data and provide personalized career guidance, including career maps, educational recommendations, and job opportunities.
Problem Statement	
Description	Many individuals face challenges in navigating their career paths due to a lack of guidance, information overload, and difficulty in aligning their interests and skills with potential career options.
Impact	This can lead to career dissatisfaction, underemployment, and missed opportunities for career advancement or transition.
Proposed Solution	

Approach	CareerMapper will address these challenges by employing AI to personalize the user experience. The platform will collect user data such as academic interests, current job roles, skills, and career goals. This data will be analyzed by the Text-Bison-001 model to generate: • **Personalized Career Maps**: Tailored career paths that align with individual interests and skills. • **Educational Pathways**: Recommendations for courses, certifications, and degrees to achieve career goals. • **Job Opportunities**: Relevant job listings and opportunities based on user profiles and career aspirations.
Key Features	• **AI-Powered Analysis**: Utilize the capabilities of Palm's Text-Bison-001 to personalize career recommendations. • **Customizable Profiles**: Allow users to input academic interests, job roles, skills, and career goals. • **Goal Setting and Tracking**: Set personalized career goals and track progress through the platform. • **Resource Integration**: Provide access to educational resources, certification programs, and job listings. • **Progress Reports and Feedback**: Offer regular progress reports and personalized feedback to guide users towards their career goals.

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
Development Environment	IDE	Github,VScode
Data		
Data	Source, size, format	Kaggle dataset, 614, csv UCI dataset, 690, csv