

## Project Initialization and Planning Phase

<b>Date</b>	<b>5 July 2024</b>
<b>Team ID</b>	<b>SWTID1720089770</b>
<b>Project Title</b>	JobSwift: Accelerating Careers With AI-Powered Application Palm's Text-Bison-001.
<b>Maximum Marks</b>	<b>3 Marks</b>

### Project Proposal (Proposed Solution) report

JobSwift, an AI-powered platform, tackles the challenges of today's job market by offering personalized resume/cover letter generation, intelligent interview prep with feedback, and career transition support with skill gap analysis and learning recommendations. This comprehensive solution empowers individuals to navigate the job search with confidence and unlock their full career potential.

Project Overview	
<b>Objective</b>	The project's primary objective is to empower individuals at all career stages to navigate the job market with confidence and achieve their full career potential by leveraging AI-powered tools for resume/cover letter creation, interview preparation, and career transition guidance.
<b>Scope</b>	JobSwift targets all job seekers with AI-powered resume/cover letter generation, interview practice with feedback, and career transition guidance through skill gap analysis and learning recommendations. It focuses on automation but excludes human coaching, job placement, or direct skill development.
<b>Problem Statement</b>	

<b>Description</b>	Job seekers of all experience levels struggle to craft effective resumes, cover letters, and excel in interviews due to the competitive market and a lack of personalized guidance. This leaves recent graduates, career changers, and seasoned professionals feeling discouraged and unable to effectively showcase their strengths and achieve career success.
<b>Impact</b>	Conduct needs assessments through surveys and interviews. Develop personalized action plans and resources, including skill- building workshops and digital tools. Provide one-on-one coaching, mentorship programs, and continuous feedback. Track progress and success metrics, while fostering a supportive community through networking events and support groups.
<b>Proposed Solution</b>	
<b>Approach</b>	JobSwift leverages machine learning to analyze user profiles and craft targeted resumes/cover letters. It utilizes NLP for interview simulation with feedback, and recommends skill-gap-filling resources based on user profiles and desired career paths.
<b>Key Features</b>	<p>-JobSwift personalizes your job search with AI. It tailors resumes/cover letters and analyzes interview responses with NLP feedback, unlike static resources. It even helps bridge your skill gap by recommending relevant courses for your dream career.</p> <ol style="list-style-type: none"> <li>1. JobSwift personalizes your job search with AI, crafting targeted resumes &amp; cover letters.</li> <li>2. It analyzes interview responses with NLP feedback &amp; recommends courses to bridge your skill gap.</li> </ol>

**Resource Requirements**

Resource Type	Description	Specification/Allocation
Hardware		
Computing Resources	CPU/GPU specifications, number	T4 GPU
Memory	RAM specifications	8 GB
Storage	Disk space for data, models, and logs	1 TB SSD
Software		
Frameworks	Python frameworks	Streamlit
Libraries	Additional libraries	streamlit-lottie, requests, fpdf
Development Environment	IDE	Jupyter Notebook, vscode