**Project Initialization and Planning Phase**

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| Date | 9 JULY 2024 |
| Team ID | INDIVIDUAL |
| Project Title | **CareerCraft: ATS-Optimized Resume Analyzer using Gemini Model** |
| Maximum Marks | 3 Marks |

**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.

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| **Project Overview** | |
| Objective | To enhance the job application process by optimizing resumes for better compatibility with Applicant Tracking Systems (ATS), increasing candidates' chances of securing interviews. |
| Scope | Develop a tool using the Gemini Model that analyzes resumes, identifies keyword mismatches, and provides actionable recommendations for improvement. |
| **Problem Statement** | |
| Description | Job seekers often miss opportunities due to resumes not being optimized for ATS, leading to them being filtered out. |
| Impact | CareerCraft will help increase interview chances by aligning resumes with job descriptions. |
| **Proposed Solution** | |
| Approach | Utilize advanced ATS technology to analyze and optimize resumes. |
| Key Features |  Resume Optimization   Skill Enhancement   Career Progression Guidance |

**Resource Requirements**

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| **Resource Type** | **Description** | **Specification/Allocation** |
| **Hardware** | | |
| Computing Resources | CPU/GPU specifications, number of cores | Intel i3 > 9th gen |
| Memory | RAM specifications | 8 GB |
| Storage | Disk space for data, models, and logs | 256GB SSD or Greater |
| **Software** | | |
| Frameworks | Python frameworks | Streamlit |
| Libraries | Additional libraries | TensorFlow, PyPDF2, Textract |
| Development Environment | IDE, version control | Visual Studio Code, Git |
| **Data** | | |
| Data | Source, size, format | User-uploaded resumes (PDF, DOCX), Job descriptions (text) |