**Project Initialization and Planning Phase**

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| Date | 9 July 2024 |
| Team ID | xxxxxx |
| Project Title | GeminiDecode: Multilanguage Document Extraction by Gemini Pro |
| Maximum Marks | 3 Marks |

**Project Proposal (Proposed Solution) report**

The proposal report aims to improve document extraction by using machine learning and natural language processing algorithms with the Gemini Pro model. It increases efficiency of operations by saving time on translation and summarization. Key features include a generative AI model and answering queries made by the user.

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| **Project Overview** | |
| Objective | The primary objective is to transform document extraction by using machine learning and natural language processing algorithms with the Gemini Pro model. |
| Scope | The project aims to enhance operational efficiency in the legal sector, financial institutions and the healthcare industry by automating information extraction from important documents in different languages. |
| **Problem Statement** | |
| Description | Addressing the need to automate document extraction in industries that work internationally with different languages, thus saving time and improving efficiency. |
| Impact | Solving these issues will result in improved operational efficiency and enhancement in information extraction,  contributing to customer satisfaction and organizational success. |
| **Proposed Solution** | |
| Approach | Employing a generative AI model that uses machine learning and natural languages processing techniques to create a multilingual extraction system. |
| Key Features | -Implementation of Gemini Pro for document extraction  -Q&A for users to ask more questions about the uploaded document |

**Resource Requirements**

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| **Resource Type** | **Description** | **Specification/Allocation** |
| **Hardware** | | |
| Computing Resources | CPU/GPU specifications, number of cores | 8 core processor |
| Memory | RAM specifications | 8 GB |
| Storage | Disk space for data, models, and logs | 1 TB SSD |
| **Software** | | |
| Frameworks | Python frameworks | Streamlit |
| Libraries | Additional libraries | google-generativeai, python-dotenv, langchain, PyPDF2, chromadb, faiss-cpu |
| Development Environment | IDE | Visual Studio Code |
| **Data** | | |
| Data | Source, size, format | 10 documents from various government databases |