**Project Initialization and Planning Phase**

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| Date | 15 March 2024 |
| Team ID | 739890 |
| Project Title | Bookmate: A Chatbot Companion For Book Recommendations |
| 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 provide personalized book recommendations based on user preferences, helping readers discover new books and enhance their reading experience. |
| Scope | BookMate is a chatbot designed to enhance your reading experience. It leverages AI to provide personalized book recommendations based on your reading preferences, helping you discover new authors and genres. |
| **Problem Statement** | |
| Description | Bookmate aims to solve the problem of finding personalized book recommendations efficiently. Traditional methods like browsing bookstores or online reviews can be time-consuming and often lead to suboptimal choices. |
| Impact | Tailored suggestions based on individual preferences and reading history, enhancing reader satisfaction. |
| **Proposed Solution** | |
| Approach | BookMate is designed to provide personalized book recommendations and foster a vibrant reading community. Eg NLP |
| Key Features | Genre-Based Discovery, Personalized Recommendations |

**Resource Requirements**

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| **Resource Type** | **Description** | **Specification/Allocation** |
| **Hardware** | | |
| Computing Resources | CPU/GPU specifications, number of cores | Iris Xe Graphics |
| Memory | RAM specifications | 16 GB |
| Storage | Disk space for data, models, and logs | 512 SSD |
| **Software** | | |
| Frameworks | Python frameworks | Flask |
| Libraries | Additional libraries | tensorflow |
| Development Environment | IDE, version control | Jupyter Notebook, Gitlab |
| **Data** | | |
| Data | Source, size, format | Kaggle dataset, 10,000 images |