**PROJECT PLAN DOCUMENT**

**(Due: 31st January)**

|  |  |
| --- | --- |
| Project number | **Team 21** |
| Project Title | **AlethioSphere: AI Video Journaling Application** |
| Document | **Project Plan** |
| Creation date | **30th January 2025** |
| Created By | **Saketh Ayyagari, Raghav Doshi, Anshul Bhagwat, Ishaan Romil, Manasi Mundada** |
| Client | **Jazeel Jabbar - HopeLog** |

# Brief problem statement

Building a video journaling application which uses an AI powered interactive avatar which can converse with users. Although it can be used by anyone, it would primarily be aimed at improving mental health and emotional support among college students but can be used by anyone.

# Team Members

Each member will take a primary and secondary role as mentioned below.

|  |  |  |
| --- | --- | --- |
| **Role** | **Primary** | **Secondary** |
| **Scrum Master + Testing** | Anshul | Manasi |
| **DevOps** | Romil | Anshul |
| **Server** | Manasi | Saketh |
| **AIML** | Raghav | Romil |
| **UIUX** | Saketh | Raghav |

# Team Communication

Adopting the Scrum AGILE model, we will conduct daily standup meetings within the team. We will also have two weekly meetings with the client, one on Monday to review the tasks for that week, and one on Friday to review the progress.

We have created a Slack workspace to manage official communication and documentation as well as a WhatsApp group for informal communication.

# Development Environment

As our IDE of choice, we will use JetBrains WebStorm and with VSCode. We will use Python for integrating the AI pipeline, NextJS or a React-based framework as our frontend framework, ExpressJS for the backend functionalities, and MongoDB for the data storage. We will use GitHub for version control. We will also adopt whichever relevant technologies that may be required along the way, for example, relevant APIs for LLMs, etc.

# Milestone Schedule

|  |  |  |  |
| --- | --- | --- | --- |
| **Milestone** | **Due Date** | **Release** | **Deliverable** |
| *Gather and Draft Requirements* | 03/02/25 | R1 | No |
| *Finalize Analyzed Requirements* | 07/02/25 | R1 | Yes |
| *Complete Preliminary Research & Topic Familiarization* | 28/02/25 | NA | No |
| *Begin Design of First Iteration* | 07/02/25 | R1 | No |
| *Begin Coding Phase of First Iteration* | 17/02/25 | R1 | No |
| *Review Schedule* | 28/02/25 | NA | Yes |
| *Develop Initial AI Model & Integration* | 03/03/25 | R1 | No |
| *UI/UX Prototype Completion* | 07/03/25 | R1 | Yes |
| *Backend API Development & Database Setup* | 14/03/25 | R1 | Yes |
| *First Working Prototype* | 21/03/25 | R1 | Yes |
| *Internal Testing & Bug Fixes* |  | R2 | No |
| *Beta Release & Client Feedback* |  | R2 | Yes |
| *AI Model Refinement & Enhancements* |  | R3 | No |
| *Final Testing & Performance Optimization* |  | R3 | No |
| *Final Presentation & Documentation Submission* |  | R3 | Yes |
| *Project Completion & Deployment* |  | R3 | Yes |