**PROJECT PLAN DOCUMENT**

**(Due: 31st January)**

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| --- | --- |
| Project number | ***12*** |
| Project Title | I Can Care Cancer Treatment |
| Document | Project plan |
| Creation date | 29/01/25 |
| Created By | K. Rohitha Sarvani, Chekka Yogeswari |
| Client | Dr Pawan Gupta |

# Brief problem statement

Cancer patients often receive fragmented care due to limited collaboration across hospitals, lack of centralized medical history, and inefficient communication among doctors. Existing systems do not support multi-doctor case discussions, AI-assisted documentation, or visual data analysis. This results in delayed decisions and suboptimal treatment planning.There is a need for a unified platform that enables cross-institutional doctor collaboration, centralized patient records, AI-powered document summarization, and graphical insights to ensure better cancer care coordination and outcomes

**Team Members**

**Frontend** : Krrish

**Backend**: Manas,Yogeswari,Rohitha

**Testing**: Rohitha,Yogeswari,Navya

**Project Managing**: Manas

**Documentation:**Rohitha ,Yogeswari

**Mom’s and status tracker**:Krrish,Navya

**Deployment:**Navya

**Team Communication**

**Meeting Details**

**Platform:** Google Meet

**Scheduled Time:** Thursday 8:30PM **Communication Strategy**

Communication Expectations:

* Response and contribution in terms of ideas is expected from every team member
* participants are not expected to give instant responses and can respond at their convenience

1. **Messaging Platforms:** Whatsapp, Email

**Purpose**: Communication and scheduling purposes.

**Development Environment**

# Tech Stack

We will utilize the MERN stack for efficient and scalable development:

**MongoDB**: Database for storing doctors, patients data including chat messages of doctors, medical documents of patients, etc.

**Node.js & Express.js**: Backend for API handling and business logic.

**Google Calendar API** for creating meetings**, Google OAuth** for sign up with Google**.**

**React.js**: Frontend framework for a responsive user interface.

**Deployment**: Docker

**IDE**: Visual Studio Code

# Tools Used

* **Material UI**: UI/UX design.
* **Swagger**: API testing, detailed routes information.
* **GitHub**: Version control and collaboration.

**Milestone Schedule*:***

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| --- | --- | --- | --- |
| **Milestone** | **Due Date** | **Release** | **Deliverable?** |
| *Create draft requirements* | 20/01/25 | R1 | No |
| *Finalize requirements* | 04/02/25 | R1 | Yes |
| *Initial Design Plan* | 08/02/25 | R1 | No |
| *Finalize Design Plan* | 10/02/25 | R1 | Yes |
| *Set Up Project Structure* | 14/02/25 | R1 | Yes |
| *User Authentication and Authorization* | 25/02/25 | R1 | Yes |
| UI/UX Development for Patient and Doctor Portals | 5/03/25 | R1 | Yes |
| Chat room implementation | 8/3/25 | R1 | Yes |
| Sign up using Google OAuth | 10/03/25 | R1 | Yes |

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| --- | --- | --- | --- |
| Upload documents functionality, UI Redesigning | 12/03/25 | R1 | Yes |
| Email notifications for meetings | 15/03/25 | R1 | Yes |
| Doctor forums | 05/04/25 | R2 | Yes |
| AI summary and graphical analysis | 15/04/25 | R2 | Yes |
| Final System Testing and Bug Fixing | 17/04/25 | R2 | No |
| Deployment | 18/04/25 | R2 | Yes |
| Final Review | 19/04/25 | R2 | No |