PROJECT SCOPE STATEMENT

PROJECT Title	PROJECT OBJECTIVES
Oncology Chemotherapy Management System	The scope of this project includes the development of the Oncology Chemotherapy Management System, This document will provide a clear understanding of the project scope, and objectives for the frontend, backend, database, and reporting teams.

Project Scope

Frontend Development	• The frontend team will be responsible for designing and implementing the user interface (UI) of the application using Figma as the design tool. • This includes creating intuitive and user-friendly screens for patient information management, chemotherapy plan and cycle management, medication and dosage tracking, and cycle documentation. • The frontend team will utilize React as the frontend development framework.
Backend Development	• The backend team will handle the development of the application's business logic and server-side functionalities. • This includes implementing user authentication and authorization mechanisms, data validation and processing, and integration with external systems. • The backend team will utilize Express Node.js as the backend development framework.
Database Design	• The database team will be responsible for designing and implementing the database architecture for storing and retrieving patient information, chemotherapy plans, medication details, and cycle documentation. • This includes creating appropriate tables, relationships, and data access mechanisms. • The database team will utilize MySQL as the database management system.
Reporting Development	• The reporting team will develop the reporting and visualization functionalities of the application using PowerBI. • This includes generating reports and visualizations based on patient data and chemotherapy plans. • The reporting team will utilize PowerBI or similar platforms for data analysis and visualization.

Project Deliverables

The following deliverables are expected from each team:

DELIVERABLE	DESCRIPTION
Frontend Development	- User interface designs created in Figma - React components and pages implementing the frontend UI - Responsive design implementation for various devices and screen
Backend Development	- API endpoints for user authentication and authorization - Business logic implementation using Node.js for managing chemotherapy plans, cycles, and medications - Integration with external systems via APIs - Error handling and validation mechanisms - Secure data transmission and encryption implementation
Database Design	- Database schema design and documentation - Creation of tables, relationships, and indices in MySQL - Stored procedures or functions for data retrieval and manipulation - Data access mechanisms for frontend and backend integration - Data backup and disaster recovery mechanisms
Reporting Development	- Reports and visualizations created in PowerBI or similar platforms - Integration of reporting components into the application - Data analysis and visualization functionalities - Export functionality for generating reports in various formats