3. Task Assignments and Roles

To ensure efficient project execution, responsibilities are assigned as follows:

• Project Manager oversees project execution, milestone tracking, and risk management.

• Data Engineer collects, cleans, and preprocesses healthcare data for predictive modeling.

• Data Scientist develops machine learning models, trains and optimizes them, and conducts feature engineering.

• ML Engineer deploys the model as a web application/API and ensures scalability and reliability.

• Visualization Specialist creates interactive dashboards and meaningful visualizations for stakeholders.

• Healthcare Domain Expert validates model relevance, ensuring ethical and practical healthcare applications.