

2. Literature Review

Feedback & Evaluation

The project has a strong foundation, with well-defined objectives and an innovative approach to solving a real-world healthcare issue. The use of predictive analytics for ICU admissions aligns with global efforts to enhance pandemic response strategies. Early work on data collection and system design has been structured well, laying the groundwork for future enhancements.

Suggested Improvements

Enhance UI/UX Design: Develop wireframes and mockups for better visualization of system interactions.

Expand System Deployment Plan: Define cloud infrastructure and hosting solutions for scalability.

Improve Machine Learning Model: Experiment with additional features to refine prediction accuracy.

Integrate More Data Sources: Consider adding real-time hospital data feeds for more dynamic insights.

Testing & Validation: Implement a structured testing plan with unit, integration, and performance testing.

Final Grading Criteria

The project is still in the early development phase, but the documentation and planning are progressing well. The grading criteria below will be revised as improvements are made.

Category	Weight (%)	Current Progress (%)	Remarks
Documentation	35%	30%	Well-structured and detailed; needs UI/UX and final deliverables.
Implementation	30%	40%	Basic system architecture is defined; needs further coding and integration.
Testing & Validation	20%	50%	Test planning required; needs real dataset validation.

Presentation	15%	68%	Clear documentation but needs a structured final presentation and project demo.
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Note: These percentages reflect progress at the current stage and will increase as development continues.