1. **Team Members:**

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**Problem Statement**

In many healthcare settings, especially in remote or underserved areas, timely detection of respiratory imbalance and other vital health conditions is often delayed due to a lack of continuous monitoring and early warning systems. Manual observation of patients' vital signs is not only labor-intensive but also prone to human error and delayed interventions.

**HealthBridge AI** aims to solve this problem by developing an intelligent remote patient monitoring system that continuously analyzes vital signs (e.g., heart rate, oxygen level, respiratory rate) and predicts the likelihood of a respiratory imbalance. By applying machine learning algorithms on real-time data, the system can generate early alerts, helping medical professionals take timely action and ultimately improving patient outcomes.

## Key Aspects:

* **Problem**: Delay in detecting respiratory imbalance due to lack of continuous monitoring.
* **Need**: A real-time, intelligent alert system based on vitals.
* **Solution**: ML-based smart monitoring system predicting health risks like respiratory imbalance.
* **Impact**: Early intervention, better care for remote patients, and reduced healthcare burden.