### **"Project RAY-sist"**

Let's use your framework to generate a more powerful idea that leverages all your assets.

#### **1. The "Golden Problem"**

Instead of "improving healthcare access," we'll target a more specific and urgent intersection, directly linking a key ASEAN challenge to a health outcome you can solve.

* **The Intersection:** How does **Climate Change (SDG 13)**, specifically rising UV radiation, disproportionately impact the risk of **skin cancer (SDG 3)** for vulnerable **outdoor workers** (like farmers and fishermen) in a specific, sun-exposed region like the Mekong Delta?

This problem is superior to SeekWell's because it's specific, connects multiple SDGs, has a clear "villain" (climate change), and identifies a precise, underserved victim group.

#### **2. The Human-Centric Narrative**

We will build the story around a central character, not a system.

* **The Hook:** "Meet Minh, a fisherman from An Giang province in the Mekong Delta. For 30 years, the sun has been his guide. But lately, it's become his enemy. A persistent lesion on his arm grows, but the nearest dermatology clinic is a five-hour journey and a week's wages away. He's not alone."
* **Data as the Supporting Actor:**
  + **Show the Threat:** Use data to show rising average UV index levels in that specific province over the last decade.
  + **Show the Vulnerability:** Display statistics on the high percentage of the labor force in outdoor agriculture and aquaculture in the region.
  + **Show the Gap:** Use data on the critically low number of dermatologists per capita in that province, making Minh's story a systemic problem.

#### **3. The Concrete, Pilot-Project Solution**

The solution is not a platform; it's a targeted intervention. We'll call it **Project RAY-sist** (a play on sun rays and resistance).

* **The Pilot:** We propose a one-year pilot project in partnership with a specific local health authority in An Giang, Vietnam.
* **The Technology in Action:**
  1. **Leverage Your Assets:** We will build a focused version of your **Rapid Diagnosis Web App**.
  2. **Empower Local Workers:** We'll equip 50 community health workers—repurposing the "Cadre" concept from SeekWell —with a simple mobile web app.
  3. **The Workflow:** During routine visits, a health worker takes a photo of a patient's skin lesion using their phone. Your finetuned ViT/ResNet model , running on the backend, provides a near-instant risk classification ("Low," "Medium," "High").
  4. **Backend & Summary:** The result, patient ID, and image are stored in a simple database adapted from your **Clinic Management App's** design. Using the Gemini API integration method from your **Drug Summarizer** , the app generates a simple, one-paragraph summary of the case for easy referral to a provincial hospital.
* **Future Vision:** "Project RAY-sist's success with dermatology will create a proven framework. The next step is to integrate our advanced **ECG analysis** module to screen for cardiovascular issues, another condition exacerbated by climate change-driven heatwaves in the same vulnerable communities." This shows a scalable, long-term vision.
* **Feasibility:** Present a Gantt chart detailing the 6-month development and 6-month deployment plan for the pilot, making the project feel tangible and achievable.

By reframing your work this way, you move from "I built a healthcare platform" to "I am telling the story of how a targeted AI tool can protect communities like Minh's from the direct health impacts of climate change." This is the kind of specific, narrative-driven, and impactful project that aligns with the demonstrated judging criteria of the ASEAN DSE.