

# CUBE X Ideathon 2K25

## DiagnoseHub AI

- **Problem Title- Multispecialty Medical Diagnosis System**
- **Theme- Healthcare**
- **PS Category- Software**
- **Team Name- QuantumCoders**
- **College Name- NIST University Berhampur**



# DiagnoseHub AI

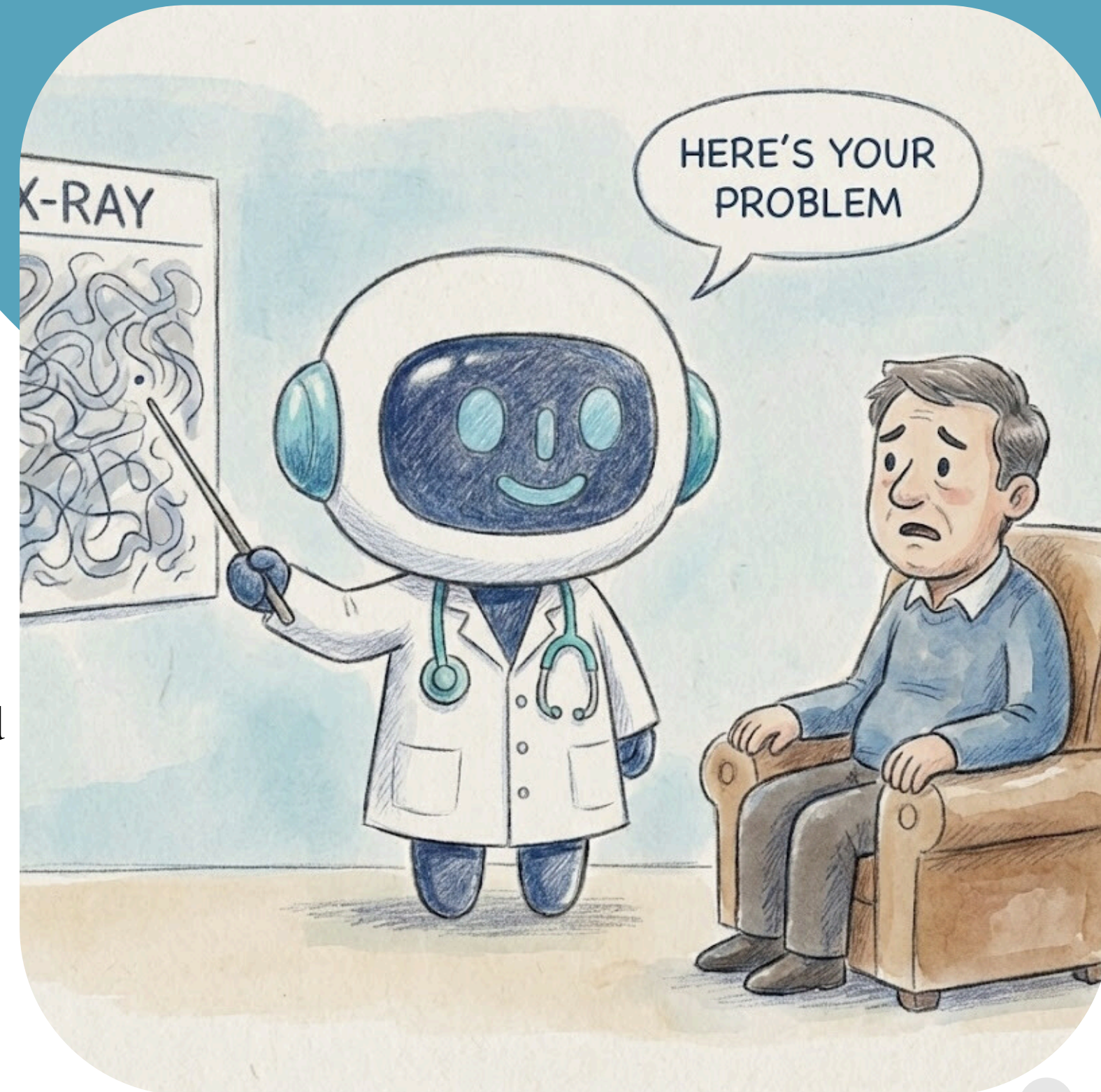
## Multispecialty Medical Diagnosis System

### The Problem

- Medical reports are difficult and time-consuming to analyze.
- Patients don't get combined opinions from multiple specialists.
- Rural areas lack access to expert doctors.
- Single-doctor diagnosis can miss cross-disciplinary symptoms.
- Delays in diagnosis lead to poor treatment decisions.

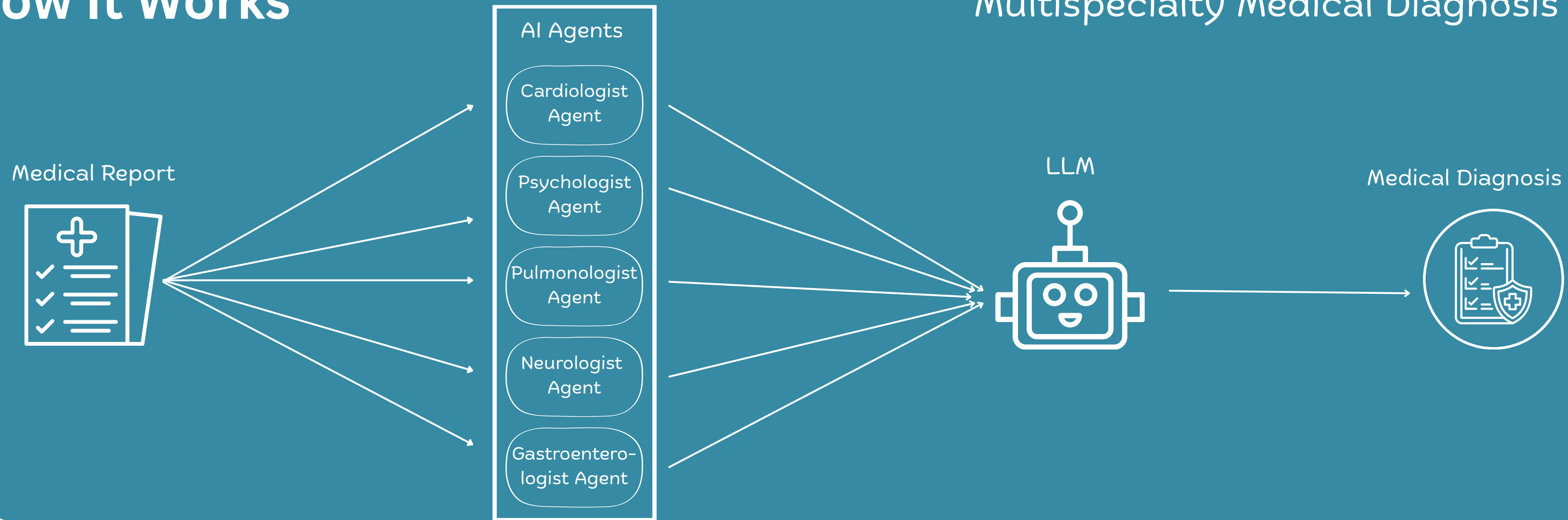
### The Solution

- AI-powered system analyzes medical reports instantly.
- Five specialists (Cardio, Neuro, Pulmo, Psych, Gastro) give combined insights.
- Provides accurate, multi-specialist diagnosis anywhere, anytime.
- Summarizes complex reports into simple, actionable recommendations.
- Generates professional PDF reports for doctors and patients.



# How It Works

## DiagnoseHub AI Multispecialty Medical Diagnosis System

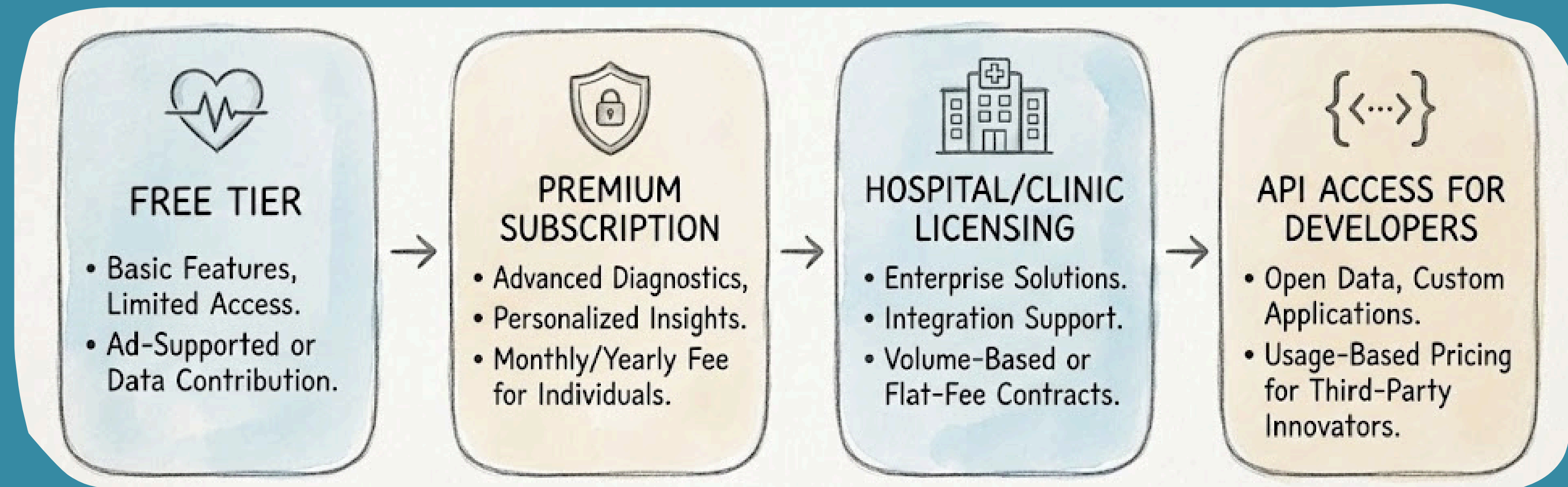


- User uploads a medical report (text format).
- AI processes the report using five specialist agents — Cardiology, Psychology, Pulmonology, Neurology & Gastroenterology.
- Each agent gives an independent diagnosis based on its expertise.
- A Multidisciplinary AI Team combines all findings into a final 3-point diagnosis summary.
- The system generates a PDF report + QR verification for authenticity.



# Business Model

- **Freemium Access** – Basic diagnosis free; advanced multi-specialty insights paid.
- **Subscription Plan** – Clinics/doctors pay monthly for unlimited report analysis.
- **Enterprise Licensing** – Hospitals integrate system into EMR/EHR platforms.
- **API Services** – Developers & health startups pay per API call (AI diagnosis).
- **Report Generation Revenue** – Premium professional PDF reports for hospitals.



# Market Size

## DiagnoseHub AI Multispecialty Medical Diagnosis System

**TAM** – Total Addressable Market

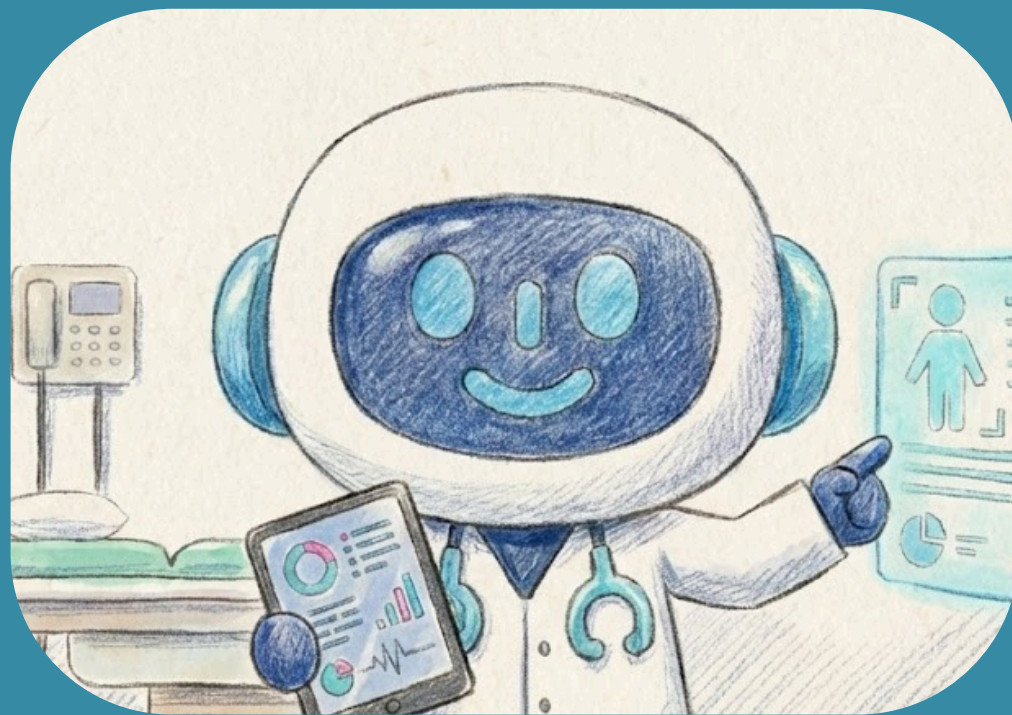
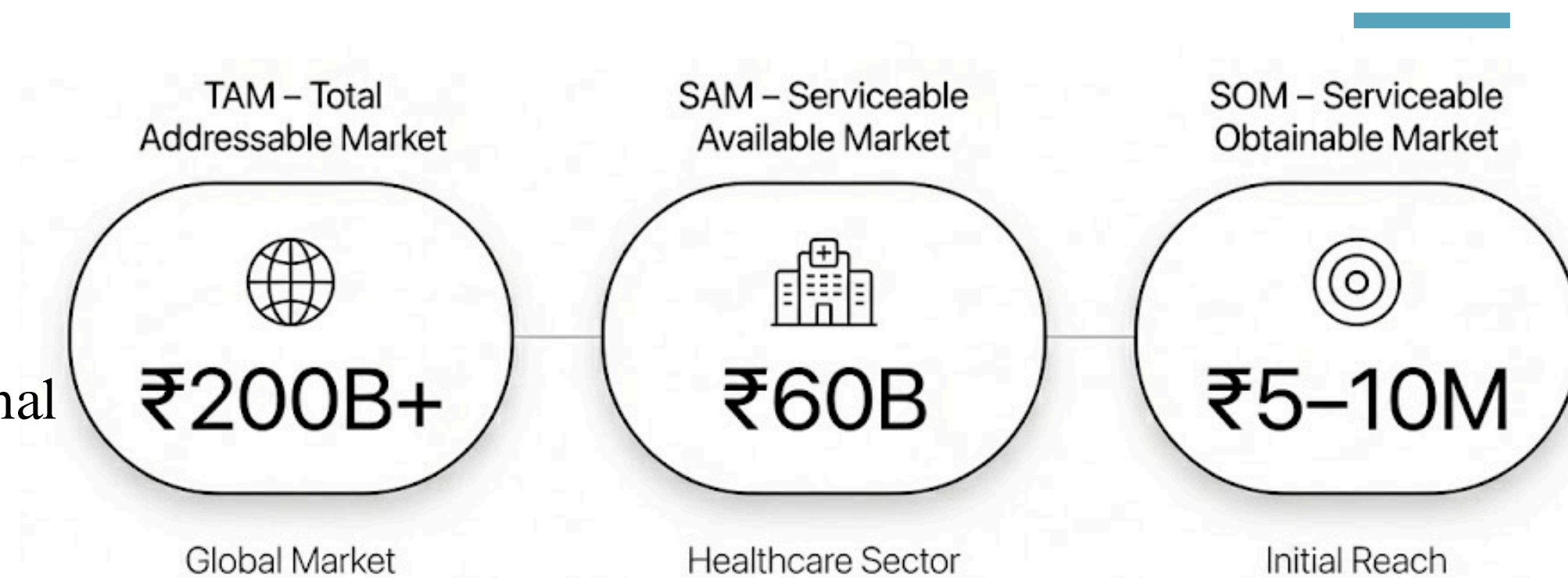
- Global AI in healthcare market ₹200B+

**SAM** – Serviceable Available Market

- AI diagnostic tools & medical automation ₹60B

**SOM** – Serviceable Obtainable Market

- Realistic early-stage penetration ₹5–₹10M in regional adoption
- Through hospitals, clinics & partnerships



## Target Market

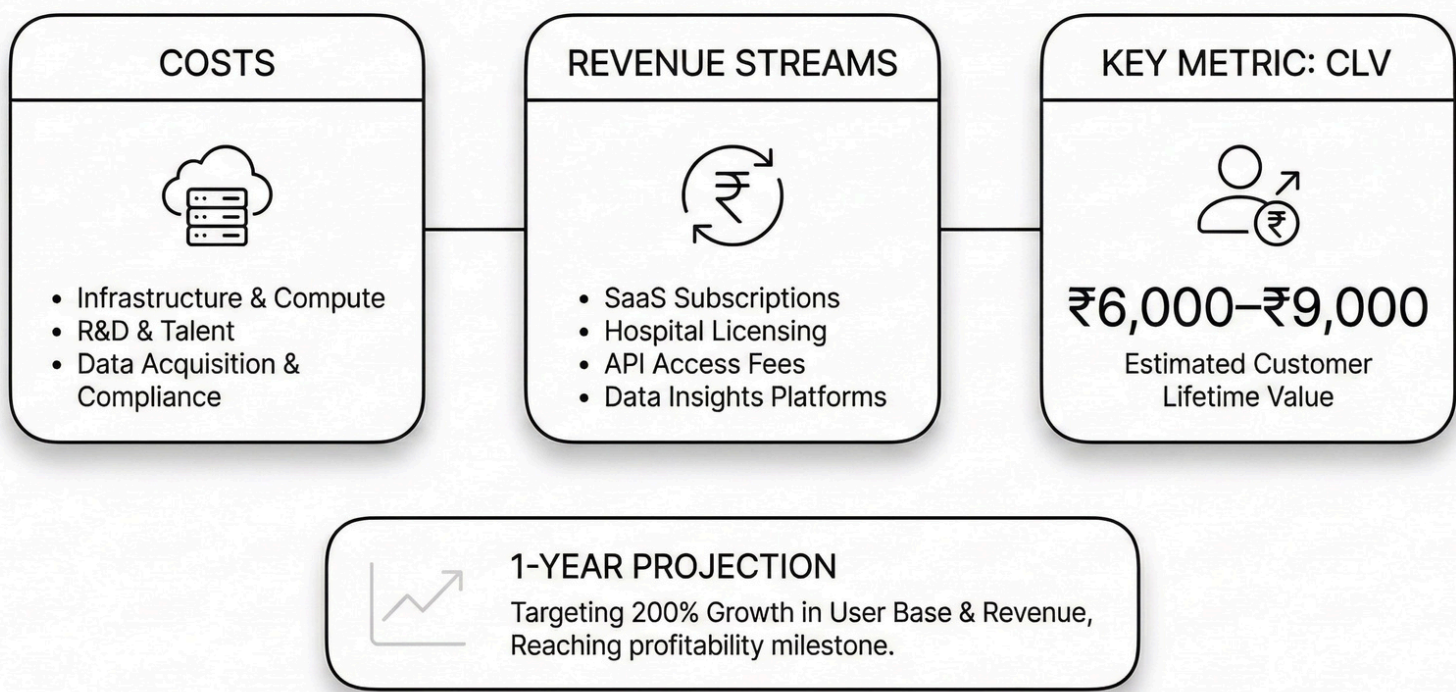
Patients seeking early, AI-assisted medical screening  
Hospitals & diagnostic centers needing fast triage tools  
Telemedicine companies integrating AI diagnostics  
Health-tech startups requiring plug-and-play medical AI



## Financial Model & Revenue Projection

### Cost Structure

- AI model usage + cloud infrastructure
- Data security, compliance & storage
- Product development & maintenance
- Hospital API integration costs
- Customer support & technical operations



### Revenue Streams

- Premium Subscription (Individuals — Monthly/Yearly)
- Hospital/Clinic Licensing (Volume-based or fixed)
- API Usage Billing (Pay-per-call for developers)
- Enterprise Deployments (Custom B2B contracts)

### 1-Year Projection (Startup-Friendly Estimate)

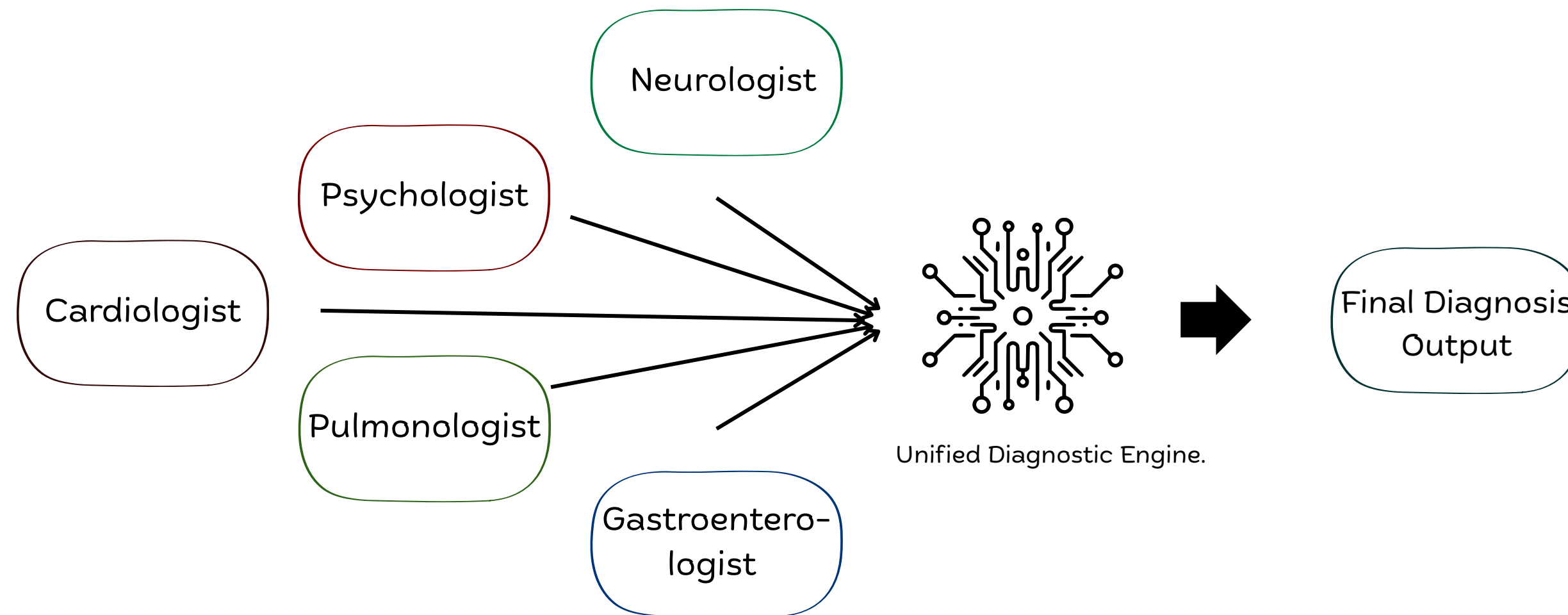
- Expected Users: 10,000+
- Revenue Estimate: ₹1.2 Cr – ₹2.0 Cr
- Operational Cost: ₹35L – ₹50L
- Gross Margin: ~70%

**Customer Lifetime Value (CLV): ₹6,000–₹9,000 per user**

# Innovation

## DiagnoseHub AI Multispecialty Medical Diagnosis System

- **AI Team of Specialists:** Five medical agents collaborate like real doctors.
- **Instant Report Analysis:** Converts complex medical reports into clear insights.
- **Unified Final Diagnosis:** Merges all specialist opinions into one accurate outcome.
- **Auto-Generated Medical PDF:** Professional, doctor-style reports with QR verification.
- **Scalable AI Engine:** Works for hospitals, telemedicine apps, and developer APIs.

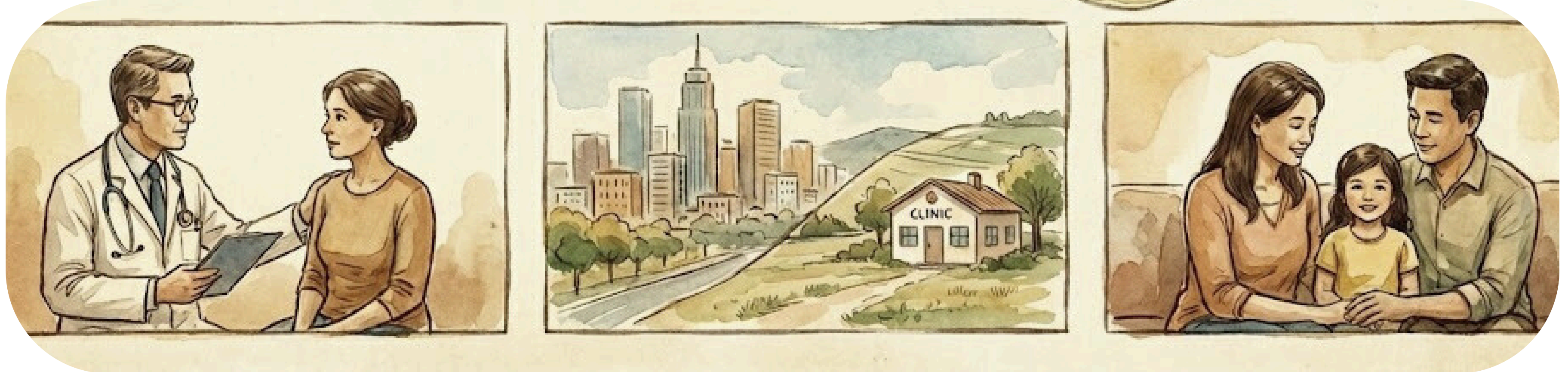


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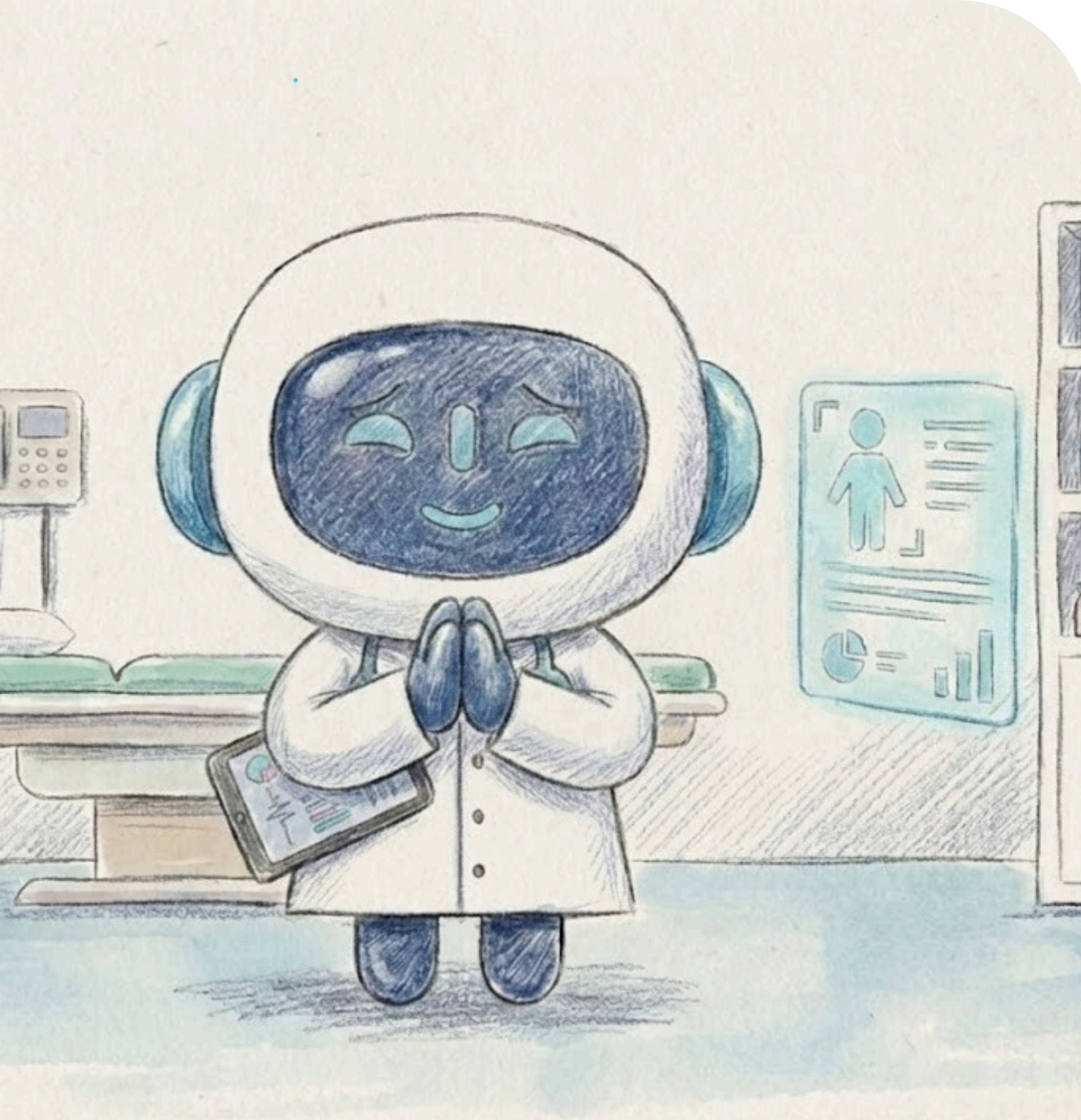
## Multispecialty Medical Diagnosis System

### Impact

- **Faster diagnosis** → reduces waiting time for patients
- **Multispecialty intelligence** → catches problems that a single doctor might miss
- **Affordable AI healthcare** → accessible for rural & low-income populations
- **Improved early detection** → prevents severe medical emergencies
- **Boosts doctor efficiency** → assists, not replaces, real medical professionals







# Thank You

**Made by QuantumCoders Team  
NIST University Berhampur**

Empowering Healthcare with AI.  
Transforming diagnosis.  
Improving lives.