

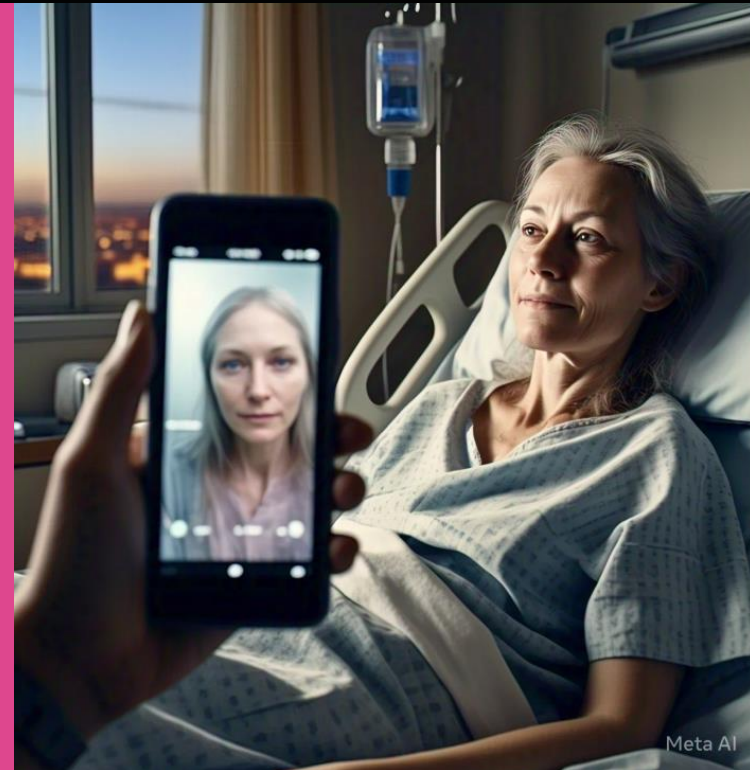
# PROBLEM STATEMENT

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## **NO ONE DESERVES TO DIE ALONE**

Terminally ill individuals such as cancer patients & the aging often face isolation and lack of personalized care during their final stage of life.

- Many of them slowly die in isolation, forgotten by those who should have been their strongest support.
- Systemic negligence in our medical institutions which prioritizes data, tech and resources to curable cases.
- Vulnerability to abuse, negligence & loss of dignity when needed most.





# SOLUTION

## END-OF-LIFE AI-CARE GIVER

**IRIS** is an AI Agent designed to empower terminally ill patients such as metastatic cancer, old age & chronic debilitating pathology with support, dignity, and control they deserve, during one of life's most vulnerable moment.

- Provide emotional support, personalized care, and compassionate conversations
- Giving patient the voice & security they may have lost and the dignity they deserve.
- A companion that stays when no one else will, the one that listens without judgment
- The one that helps them face death not with fear, but with peace.



## WHO NEEDS IRIS AI ?

USER PERSONA	Journey	Reason
<p>Terminal Patients (i.e Metastatic Cancer)</p> <p>Debilitating Illness</p>	<p>Usually overwhelming slow long drawn death.</p> <p>Very sad because even if bodies fail, their cognitive abilities tend to be intact</p>	<p>Such patients die slow &amp; agonising death while health systems neglect them for those with better prognoses</p>
<p>The Aging /Aged</p>	<p>Usually slow end stage death with or without any pathology.</p> <p>Loneliness,, isolation &amp; usually neglect and abuse</p>	<p>The aged may not be sick but tend to be neglected &amp; may experience slow lonely &amp; sad end of life</p>
<p>Family &amp; Friends</p> <p>Caregivers &amp; Policy Makers</p>	<p>Excruciating slow periods of care leading to overwhelm &amp; hopelessness</p> <p>System actors &amp; policy makers work with no proper data driven decision support.</p>	<p>Well meaning family, friends &amp; Caregivers want to help but resources may falter.</p> <p>Data gaps means end of life policies may be educated guesses</p>

# EDGE LLM CORE WITH BIDIRECTIONAL INTELLIGENCE FUNNEL

I/O Env. Linux/php	IRIS Primary Caregiver AI Agents env. php	Microservices iframe Windows	Level 2 Microservices	
Basic Oauth2.0 Signup & Login and signin support. Intelligence level basic.	IRIS Caregivers at the Edge have the Highest intelligence level in the system.	Handover to specialised embedded Stream lit Microservices	Images Documents Communication	AI/ML API
Dependencies: Functions Library GetTriage function() GetConstants() GetPatient Biodata() GetPatientHistory()	Edge Chatbot: IRIS Role: Primary caregiver  Intelligence: Advanced Model. DEEPSEEK RI	[Image Processing Window] The Agent handles all CT, CXR & DiCOM Images.	Bot: Zayn Role: Image Analysid	AI/ML API
User Actions  Configure Patient Persona, bio & pathologies.	Permissions Camera GPS Voice Contacts Haptics Microphone Speaker Bluetooth Wearables	[Document processing Window] Prescriptions Assessments Lab results Type: Iframe embedded Python streamlit Microservice.	Bot: (Aliya) Role: Documents Analysis  Counterchecks Prescriptions, Assessments & Lab Results.	AI/ML API
	Load Permissions	Alerts & Safety. Email, SOS, Calls in case of distress.	Bot😊 Anjali Streamlit.	External APIs

# SCALABILITY & EXTENDED CAPABILITIES

Extra Microservices	Outcome	Extensions
Hand Gesture Recognition	Allows debilitated patients to simply gesture for help	Google DeepMind Human Movements LLC ML
SYNERGY On-Prem ML	Reduces need for many external APIs keeping overhead low	Feedback Training from Patient Interaction logs Datasets
Generate CSV. Rich Datasets	AI Self improvement Predictive Analytics	Training other Health Networks

# FINANCING MODEL

## **Life Insurance Package**

### **Premium Add-On:**

Policyholders can opt-in for the AI caregiver as part of their health or life insurance package.

### **AI Driven Underwriting:**

AI can analyze patient data to improve insurance risk assessment, ensuring better policy pricing for patients.

- **Life** Assurance Package in Partnerships with **insurance** companies
- Private **Clinics** & Hospitals
- Public **Hospices**
- Social **Welfare** Agencies
- **Equity Based** Financing



# MEET THE TEAM BEHIND IRIS

**@Konradml**

**Team Leader & IRIS System Architect.**

**GCP + ML DevOps Engineer**

**@Zayn**

**Head ML Engineer**

**Vision & Imaging Microservices DevOps**

**@Aliya-Ali**

**ML Engineer**

**Document Processing Microservices DevOps**

**@Anjalee:**

**ML Engineer**

**Data Analysis DevOps**

