WeGram :

A Decentralized Matriarchal Ecosystem

Problem Statement: The Reality of Rural India

- The Invisible Workforce: Women perform 60%+ of agricultural/domestic work but hold <15% of assets.

- Financial Exclusion: Unpaid labor results in zero credit history (High Risk).

- Information Asymmetry: Govt schemes go unclaimed due to language barriers.

- The Patriarchal Barrier: Lack of agency prevents access to markets and wages.

The Solution: WeGram

Core Concept: A Smart Village ecosystem shifting the center of gravity to the Matriarch.

Resource-Based Funding: Village resources (agri/crafts) fund infrastructure (Self-sufficiency).

From Invisible to Visible: Converts informal labor into verifiable 'Digital Proof of Work'.

Holistic Growth: Pathway from Skill -> Income -> Leadership.

Module 1: Recognizing Invisible Work

Women Profile & Life Context Engine

Foundation Module

- Creates a life-based profile capturing: Skills (formal + informal), Unpaid work, Family responsibilities, Time availability, Education & constraints.
- Why it matters: Traditional systems ignore unpaid and informal work done by women. This foundation enables all other modules.

Invisible Work Recognition Module

- Logsunpaidwork (household, caregiving,farm support, SHG work).
- Converts effort → impact score.
- Generates digital proof-of-work reports.
- Outcomes: Helps with loan trustworthiness, scheme validation, and SHG credibility.

Module 2: Economic Empowerment

1. Skill-to-Income Pathway Builder
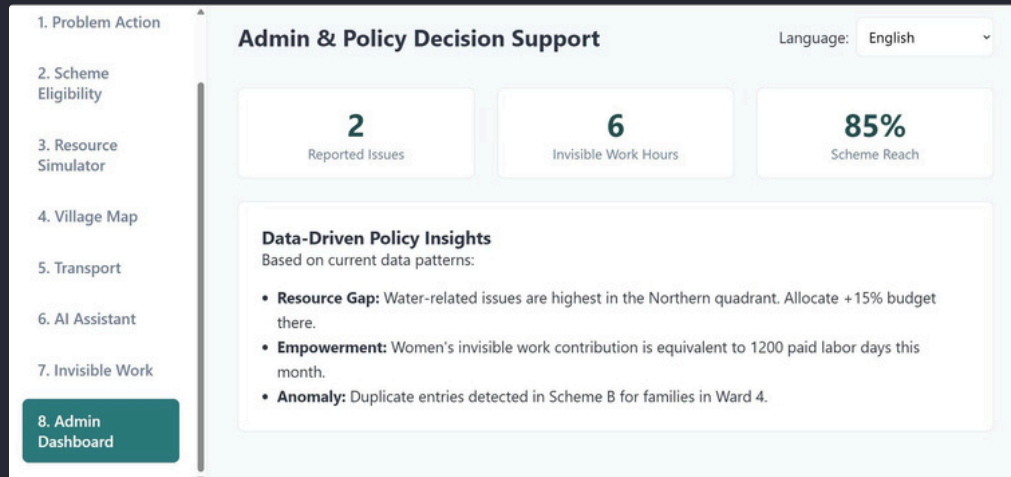Maps existing skills to realistic income opportunities.
Example: Cooking -> SHG Catering -> ₹4,500/month.

2. Scheme & Opportunity Intelligence
Matches Life Context with Govt Schemes. Provides step-by-step guidance in vernacular languages (e.g. SHG Catering). This intelligence matches context to Govt schemes in vernacular languages.

Module 3: Collective Intelligence

1.SHG & Collective Intelligence Dashboard: Aggregates data across Self-Help Groups (SHGs). Helps NGOs & Panchayats allocate resources effectively.

2. Admin & Policy Decision Support: Visualizes metrics on female labor participation. Simulates impact of new policies.

Module 4: SHG & Collective Intelligence Dashboard

Village-Level Power.

What it does: Aggregates data across women & SHGs, Identifies strong groups, support-needed groups, training impact. Helps NGOs & Panchayats make decisions.

Inclusivity: Voice-First Access

Challenge: Many rural women are semi-literate.

Solution: Voice-First & Assisted Interface

- **Voice Input/Output:** Users speak in native dialect.

- **Minimal Text UI:** Uses icons and audio cues.

- **Assisted Access:** SHG leaders can help with consent.

Technical Architecture & Feasibility & Impact

Frontend
React / Flutter

Backend
Python FastAPI

Database
PostgreSQL

Analytics
Pandas & ML

Feasibility

- Low bandwidth 2G/3G
- Entry-level phones
- Self-sustaining funding

Impact

- +20% Female Employment
- Increased Loan Repayment
- Data-Driven Governance

The Minds Behind WeGram- Team AuraX

01
Team Lead / Product Owner
Amina Zera Rahees

02
Backend Developer
API, DB, Scoring Logic

Amina Zera Rahees

03
Frontend
Flutter App, Voice UI Design

Anujaya Bijay

04
AI/ML Engineer
Recommendation Engine

Nandana D Nair

05
Documentation
Research & Reporting

Pranitha Pramod