



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.

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

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

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

- Logs unpaid work (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

The screenshot shows a user interface for 'Admin & Policy Decision Support'. On the left, a vertical sidebar lists eight menu items: 1. Problem Action, 2. Scheme Eligibility, 3. Resource Simulator, 4. Village Map, 5. Transport, 6. AI Assistant, 7. Invisible Work, and 8. Admin Dashboard. The 'Admin Dashboard' item is highlighted with a teal background. The main content area has a title 'Admin & Policy Decision Support' and a language setting 'English'. It features three large cards: 'Reported Issues' (2), 'Invisible Work Hours' (6), and 'Scheme Reach' (85%). Below these is a section titled 'Data-Driven Policy Insights' with the subtext 'Based on current data patterns:'. It contains three bullet points: 'Resource Gap: Water-related issues are highest in the Northern quadrant. Allocate +15% budget there.', 'Empowerment: Women's invisible work contribution is equivalent to 1200 paid labor days this month.', and 'Anomaly: Duplicate entries detected in Scheme B for families in Ward 4.'

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.

The screenshot shows the 'Invisible Work Recognition' module of the dashboard. On the left, a vertical sidebar lists eight modules: 1. Problem Action, 2. Scheme Eligibility, 3. Resource Simulator, 4. Village Map, 5. Transport, 6. AI Assistant, 7. Invisible Work (which is highlighted in green), and 8. Admin Dashboard. The main area is titled 'Invisible Work Recognition' and contains two main sections: 'Log Unpaid Work' and 'Impact Profile'. The 'Log Unpaid Work' section includes dropdown menus for 'Work Type' (set to 'Community Kitchen') and 'Hours Spent' (set to '6'), and a 'Log Work' button. The 'Impact Profile' section displays a large green '72' representing the 'Community Contribution Score'. Below this, a box labeled 'Proof of Work Generated' shows 'Community Kitchen contribution' with 'Verified Hours: 6' and 'ID: VID-7548', and a 'Download Proof' button.

1. Problem Action

2. Scheme Eligibility

3. Resource Simulator

4. Village Map

5. Transport

6. AI Assistant

7. Invisible Work

8. Admin Dashboard

Invisible Work Recognition

Language: English

Log Unpaid Work

Work Type: Community Kitchen

Hours Spent: 6

Log Work

Impact Profile

72

Community Contribution Score

Proof of Work Generated

Community Kitchen contribution

Verified Hours: 6

ID: VID-7548

Download Proof

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