

# AI for Bharat Hackathon

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Team Name : CtrlZ

Team Leader Name : Abel Mahesh Tharakan

Problem Statement : Build an AI-powered solution that improves access to information, resources, or opportunities for communities and public systems.

# THE ₹299 CRIME



AirTel

Airtel: ₹299 deducted for Value-Added Service. Balance:

₹1,201

A telecom company takes ₹299. No consent. No service.

**For Ramesh in Lucknow, this is ONE WEEK'S FAMILY PROFIT.**

- Navigate English portals → Give up
- Hire lawyer (₹5000) → Go broke

Result: **SILENCE**. Like **50 million** others this year.

## CITADEL AI

First-Strike Legal Draft



Voice to court-ready draft in 2 minutes

# Our Unfair Advantage: How We're Different

We don't compete with chatbots. We replace lawyers for consumer issues.

Feature	Legal Chatbots / Portals	Traditional Lawyers	CITADEL AI
Output	Advice / Information	Legal Representation	<b>Court-Ready Doc</b>
Time to Action	Days of research	Weeks of meetings	<b>≤ 2 Minutes</b>
Cost	Free / Low	₹5000+	<b>Fraction of recovery</b>
Language	English-heavy	English	<b>Built for Indian languages, starting with Hindi</b>
Strategy	Generic Info	Custom (expensive)	<b>AI-Powered</b>
Evidence Help	None	Manual Review	<b>Automated Validator</b>

## WHAT OTHERS DO:

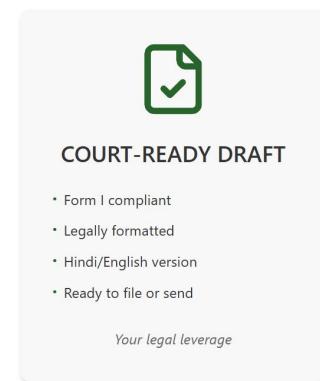
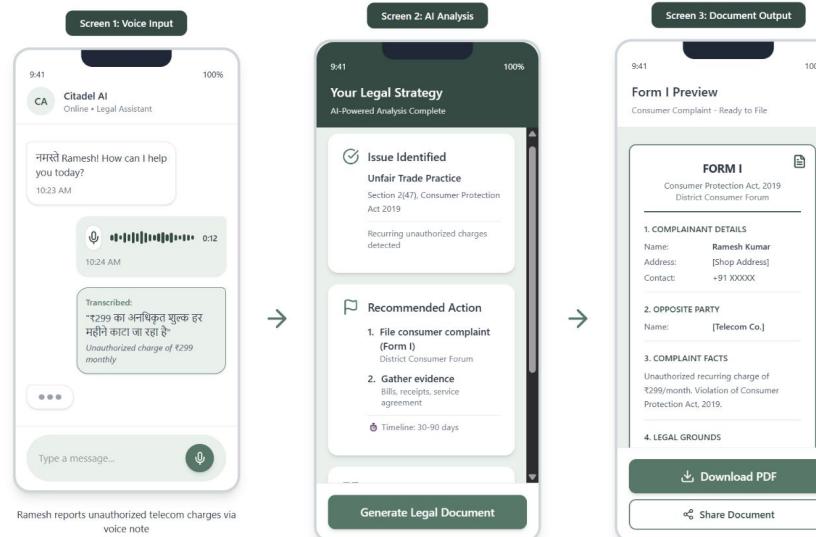
- Simplify Information
- Translate Content
- Offer Consultation

## WHAT WE DO:

- Produce the fileable artifact
- Provide actionable strategy
- Validate evidence automatically
- Optimize for Hindi Voice and scale

# From Voice to Legal Leverage in Under 2 Minutes

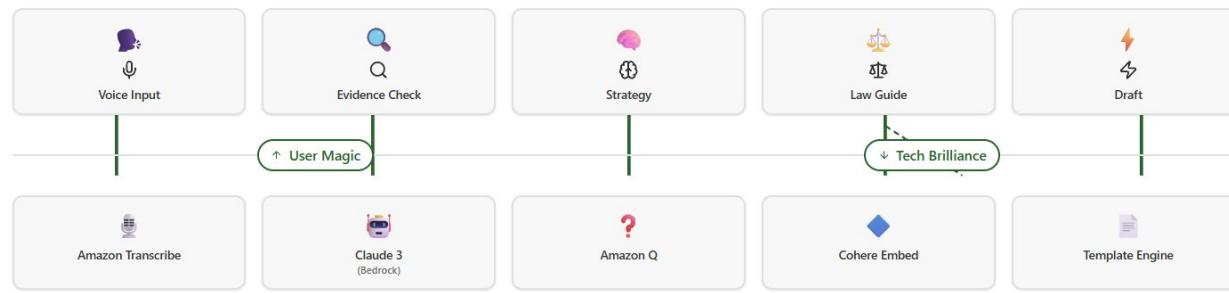
Here's how Citadel AI works



## The 5 Features

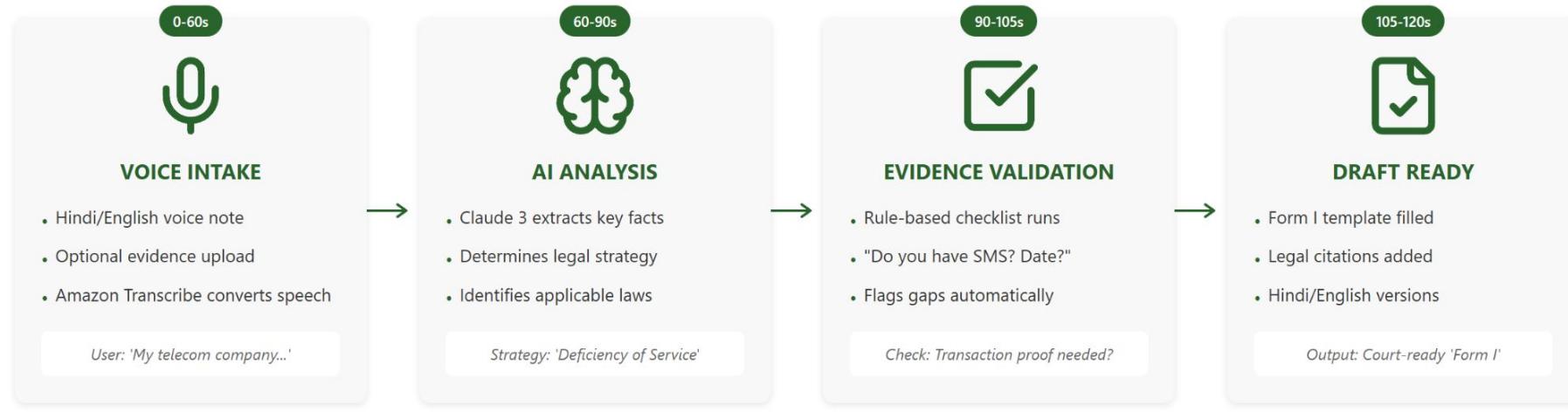
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|--|--|--|--|--|
|  <p><b>Voice-First Indian Language Intake</b><br/>Speak naturally in Hindi or English</p> |  <p><b>AI Strategy Adviser</b><br/>Get intelligent legal strategy suggestions</p> |  <p><b>Evidence Validator</b><br/>Automated checklist for your case</p> |  <p><b>Plain-Language Law Guide</b><br/>Understand the law without jargon</p> |  <p><b>Instant Draft Generation (120s)</b><br/>Court-ready documents in 2 minutes</p> |
|--|--|--|--|--|

User Magic (The Experience)	Tech brilliance (The Engineering)
<b>Voice-First Intake:</b> Speak naturally about your problem in Hindi or English. The AI understands your story, transcribes it and suggests potential legal issues.	<b>Multilingual NLP Pipeline:</b> Amazon Transcribe for speech-to-text + Claude 3 for entity extraction and issue classification.
<b>Evidence Validator:</b> AI analyzes your story to evidence user has (product, shop) and flags potential evidence gaps (receipt, date) to build a more complete case.	<b>Intelligent Gap Analysis:</b> Claude 3 analyzes against legal checklists providing actionable "strength/weakness" insights.
<b>AI Strategy Adviser:</b> The core intelligence. Analyzes users case to recommend the optimal path ("File Complaint," "Gather Evidence") and provides clear reasoning.	<b>Rule-Based Advisory Engine:</b> Orchestrated by Amazon Q, it applies logical rules to generate strategic guidance and next steps.
<b>Plain-Language Law Guide:</b> Gets a clear explanation of your rights under the Consumer Protection Act turning complex laws into simple steps.	<b>Context-Aware RAG Engine:</b> Cohere Embed retrieves relevant legal provisions. Claude 3 explains it in simple Hindi, aiming for accuracy and clarity.
<b>One-Click Legal Offensive:</b> Transforms your story into a court-ready "Form I" complaint PDF, auto-filled with your details in under two minutes.	<b>Instant Legal Draft:</b> Amazon Q orchestrates the flow, passing structured data from Claude 3 to a template engine for the formatted draft.



# Trace the Magic: Sub-2-Minute Journey to Justice

From confusion to court-ready draft — no steps skipped



Target: Under 2 Mins

## Why this Process Wins

### Speed

2 minutes vs. 2 weeks

### Clarity

No black box, traceable logic

### Actionable

Ends with fileable document

### Accessible

Built for Indian contexts

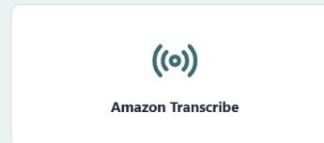
# Citadel AI: Architecture Overview

Serverless AWS stack for privacy, scale, and compliance

TIER 1: USER INTERFACE



TIER 2: AI SERVICES



TIER 3: ORCHESTRATION & DATA



TIER 4: OUTPUT GENERATION



# Implementation Cost

## 1. One Time Investment (Initial Setup)

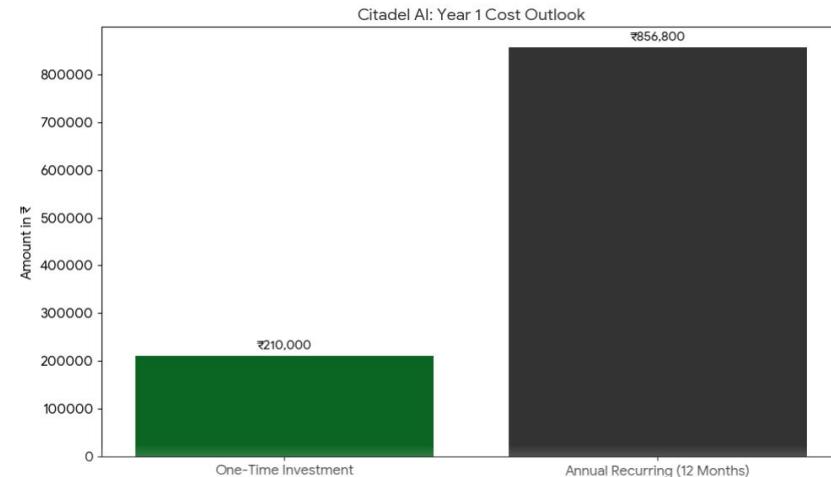
These are the costs required to move from a hackathon prototype to a production-ready application.

Category	Description	Cost (₹)
Development & Setup	Architecting AWS backend (Lambda/Amplify), Bedrock integration, and multilingual UI.	₹126,000
Legal & Security	Security audits for PII protection and verifying AI accuracy against the Consumer Act.	₹42,000
Branding & Launch	Market outreach to reach first 1,000 users and establishing local trust.	₹42,000
<b>TOTAL INVESTMENT</b>	Sum of all foundational setup costs required for launch.	₹210,000

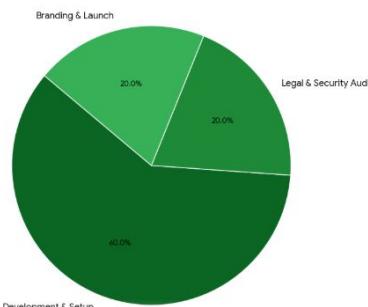
## 2. Table 2: Constant Monthly Costs (Operational)

This table covers the costs required to keep the system running for **10,000 users**.

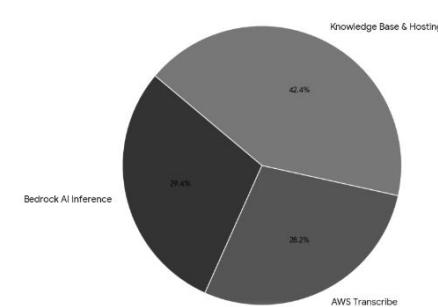
Component	Description	Monthly Cost (₹)
Bedrock AI	The 'Legal Brain'—performing RAG analysis, outcome prediction, and PDF generation.	₹21,000
AWS Transcribe	Real-time speech-to-text processing for natural Hindi and English interactions.	₹20,160
Knowledge Base	Storing the legal vector database (laws/cases) and hosting serverless infrastructure.	₹30,240
<b>TOTAL MONTHLY</b>	Total recurring operational burn to support 10,000 users/month.	₹71,400



One-Time Investment Distribution  
(Foundation: ₹2,10,000)

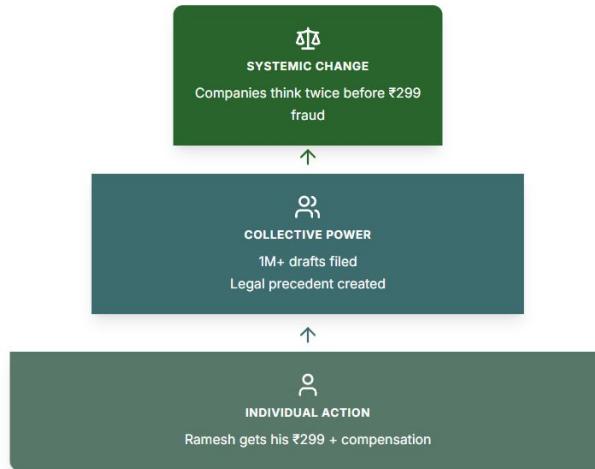


Monthly Operational Distribution  
(Operations: ₹71,400)



# The New Possible: Arming 50 Million with Legal Leverage

From Individual Justice to Systemic Deterrence



## Not Features, But Transformation

### What Others Do

✗ Give legal advice

✗ Connect to lawyers

✗ Translate documents

### What We Do

✓ Produce the fileable artifact

✓ Provide first-strike capability

✓ Create leverage from helplessness

✓ Scale justice exponentially

## Roadmap: From Today to Tomorrow



# Team CtrlZ: Building the Legal Infrastructure Bharat Lacks

Architecting the Voice to Verdict pipeline for 50M

Product & Legal Lead



ABEL MAHESH THARAKAN

- Product vision & strategy
- Consumer law compliance
- Amazon Q orchestration
- Pitch & investor narrative

AI/ML Engineering



SHAURY TANDON

- Amazon Bedrock (Claude 3)
- Cohere Embed integration
- Transcribe pipeline
- Evidence validator logic

Cloud & Backend



ADITYA NAIR

- AWS serverless architecture
- Security & data privacy
- Database design (DynamoDB)
- Cost optimization

Frontend & UX



ABHINAV MANKAR

- React PWA development
- Voice-first interface
- Mobile experience
- User testing



Four engineers. One stack. Solving the ₹299 crime at scale.

Innovation partner **H2S**

Media partner **YOURSTORY**

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Thank You

