

# **COLLABRIUM**

**Accelerating partnerships, End-to-end.**

## **TEAM ROOT**

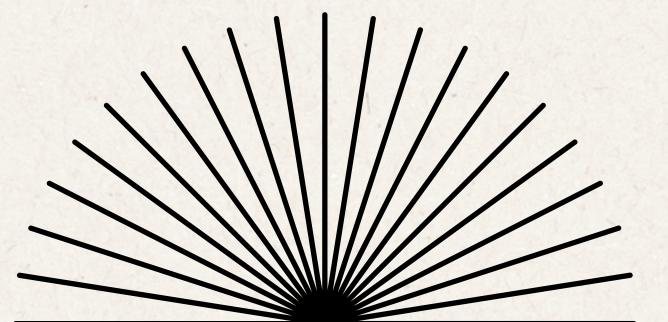
### **MEMBERS:**

- **Kritika Raj(Leader)**
- **Kunal**
- **Gaurav Yadav**
- **Jaspreet Singh**

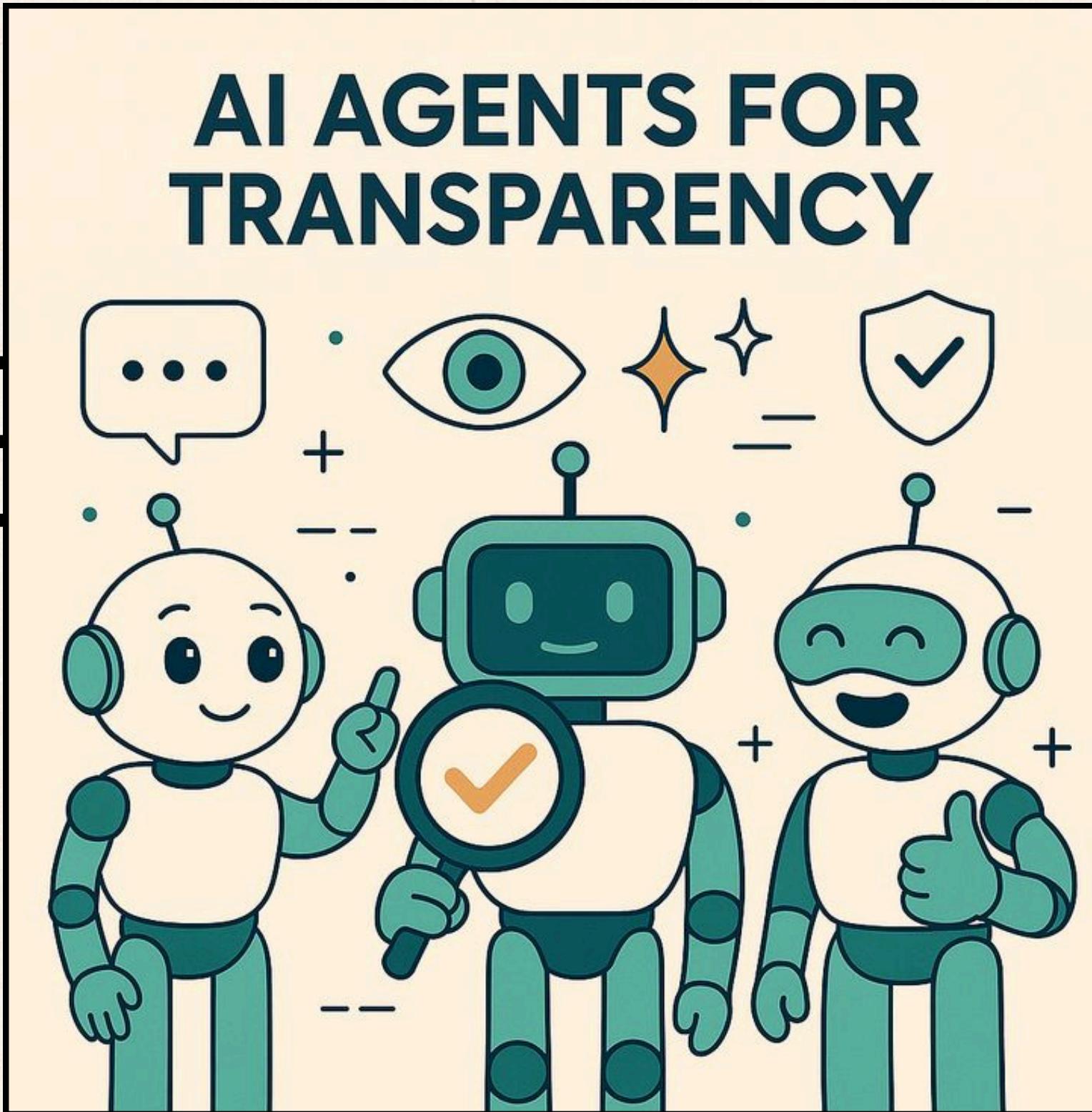
**College Name: Guru Teg Bahadur Institute of Technology, 110064**

**Batch- 2023-2027**

**Submission Date: August 8, 2025**



# Agenda



## AI AGENTS FOR TRANSPARENCY

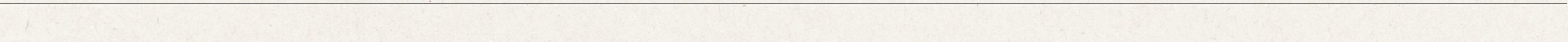
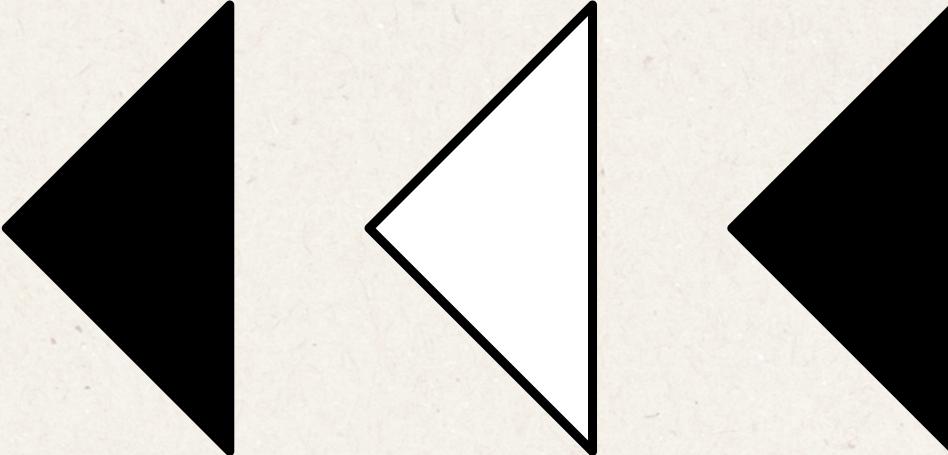
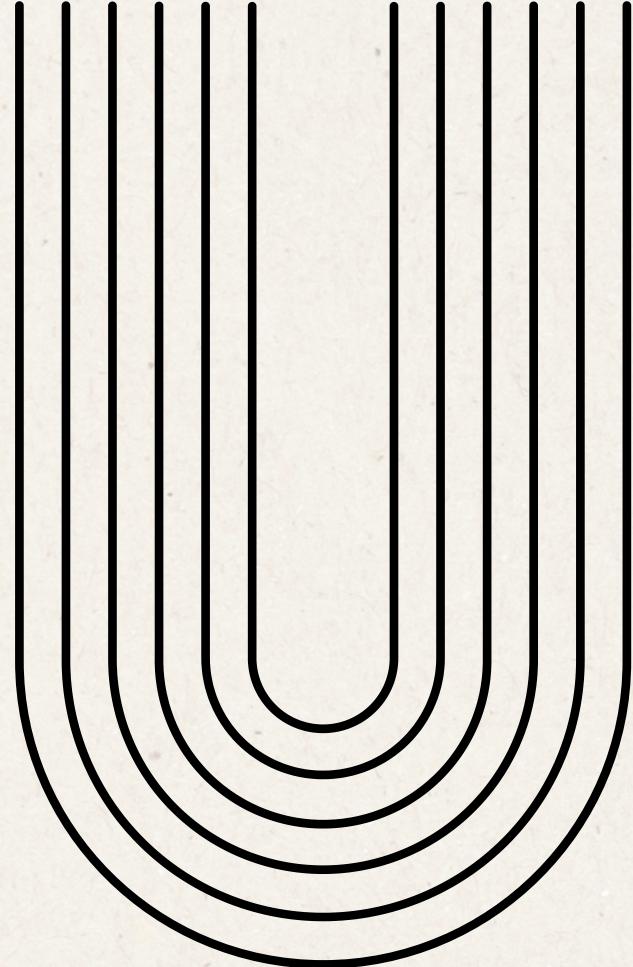
03	Problem Statement
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05	SDG's Goals
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# Problem Statement

In the current digital era, forming transparent, scalable, and efficient collaborations remains a challenge for organisations, institutions, and professionals.

Key issues include:

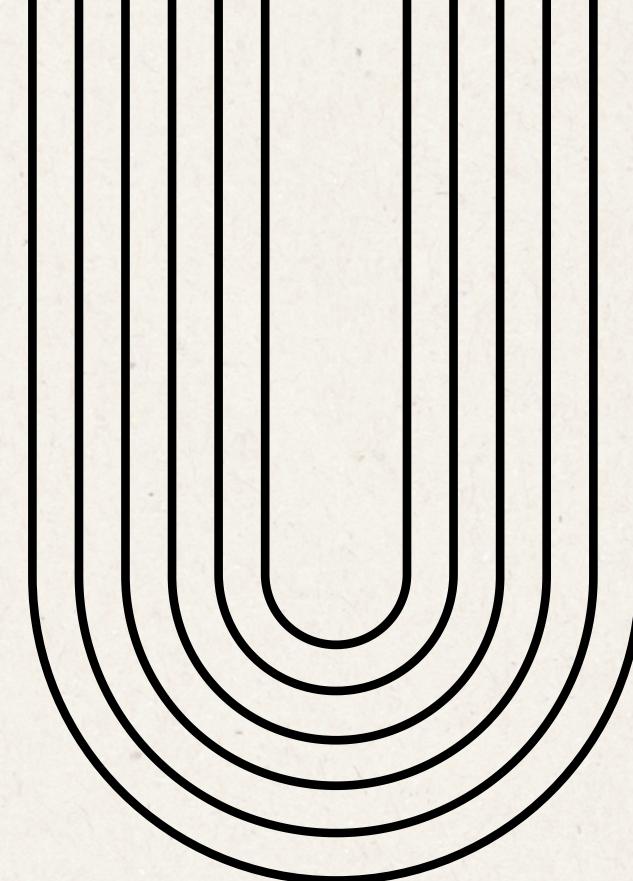
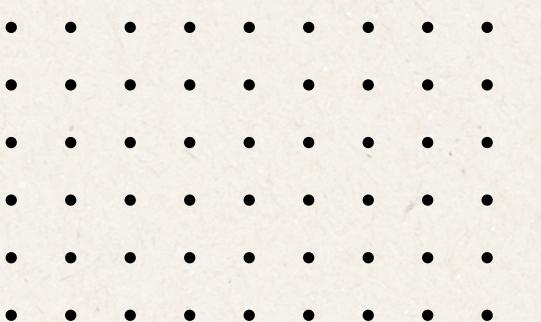
- Fragmented communication and disconnected negotiation processes
- Inefficient, manual documentation lacking standardisation
- Difficulty in aligning the right talent or partner to suitable projects
- Lack of trust and scalability in cross-sector and global partnerships



# Proposed Solutions

PROJECT NAME, IS AN AI-DRIVEN MULTI-AGENT COLLABORATION PLATFORM DESIGNED TO STREAMLINE THE PROCESS OF SKILL-BASED DISCOVERY, INTELLIGENT NEGOTIATION, AUTOMATED COMMUNICATION, AND FORMAL DOCUMENTATION BETWEEN INDIVIDUALS, TEAMS, AND ORGANISATIONS, WITHOUT REQUIRING MANUAL OVERSIGHT AT EACH STEP.

THIS SYSTEM IS NOT JUST A TECHNICAL SOLUTION; IT'S A FRAMEWORK FOR FOSTERING TRUST AND COOPERATION IN A DIGITALLY CONNECTED WORLD. WHETHER USED BY STARTUPS, ACADEMIC TEAMS, GOVERNMENT BODIES, OR NGOS, IT ENSURES ACCOUNTABILITY, FAIRNESS, AND EFFICIENCY IN COLLABORATIVE ENDEAVORS.



# SDG's Goals we align with

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## **SDG 17 – Partnerships for the Goals**

The project acts as a digital enabler for cross-sectoral partnerships – allowing public, private, and civil society actors to collaborate transparently and efficiently.

## **SDG 9 – Industry, Innovation, and Infrastructure**

By automating collaboration through AI-driven agents, the project promotes innovation and modernizes how individuals, institutions, and organizations build partnerships.

## **SDG 8 – Decent Work and Economic Growth**

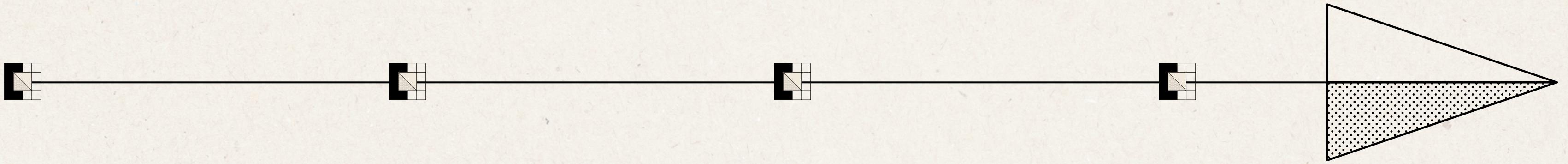
The platform connects individuals to relevant opportunities based on their actual skills, reducing unemployment mismatches and promoting fair, merit-based work

## **SDG 10 – Reduced Inequalities**

The system removes human bias from project matching and negotiation, giving equal opportunity to people regardless of background, location, or network – leveling the playing field in both local and global settings.

# About Agents

At its core, the system integrates four autonomous agent



## Discovery Agent

Matches users to projects using smart skill-tag mapping.

## Negotiation Agent

Analyses proposed terms vs. expected ones and offers counter-suggestions to ensure fairness and clarity.

## Communication Agent

Generates context-aware, formal/informal emails and analyzes tone and urgency for better response prioritization.

## Documentation Agent

Automatically drafts professional MoUs, acceptance letters, and project completion summaries.

# Login Interface

The screenshot shows a web browser window with a dark theme. The address bar at the top displays "localhost:8080/login". The main content area features a logo with a blue brain icon and the word "Collabrium" in blue, followed by the tagline "Accelerating partnerships, End-to-end." Below this, a button labeled "Demo Credentials Available" is visible. A user profile section shows "Demo User" and the email "demo@techcorp.com" with a right-pointing arrow. A horizontal line with the text "OR CONTINUE WITH EMAIL" is centered below these sections. To the right, a "Sign In" form is displayed with fields for "Email" and "Password", both with placeholder text "Enter your email" and "Enter your password". A large blue "Sign In" button is at the bottom of the form. To the right of the form, a message box states "Logged out" and "You have been successfully logged out." The browser's toolbar icons are visible along the top edge.

# Features :

## Multi-modal Document Intelligence

Multiple analysis modes (General Analysis, Legal Review, Financial Analysis, Risk Assessment) that surface structured insights and action items from uploaded documents.

The screenshot shows the Collabrium AI Workflow interface. On the left, there's a sidebar with various options like Risk Assessment, Document Analyzer, Contract Reviewer, Content Generator, AI Insights, Smart Upload, My Documents, and Settings. The main area is titled "Document Content" and displays a sample document titled "MEMORANDUM OF UNDERSTANDING (MOU)". The document content includes sections for the parties involved, their principal offices, and legal jurisdiction. At the bottom, it says "1637 characters" and has a button labeled "Analyze Document".

The screenshot shows the "Document Analyzer" interface. The sidebar on the left lists "Overview", "Dashboard", "AI Assistant", "AI Agents", "Document Analyzer" (which is selected and highlighted in purple), "Contract Reviewer", "Content Generator", "AI Insights", "Documents", "Smart Upload", "My Documents", and "Workspace". The main content area is titled "Document Analyzer" and "Analysis Type". It lists four analysis modes: General Analysis, Legal Review, Financial Analysis, and Risk Assessment. The "Legal Review" mode is currently selected. To the right, there's a section titled "Analysis Results" with a heading "Legal Analysis of the Memorandum of Understanding (MOU)". It describes the analysis as providing a comprehensive review of the MOU between Company A and Company B, focusing on key points, structure, and potential legal implications. Below this, there's a section titled "I. Key Points and Summary" with a bullet point stating "Parties: Clearly identifies the two parties".

## Contextual, Human-readable Analysis Output

Side-by-side AI analysis panel showing summary, key points, and prioritized findings (legal risks, contract clauses, deadlines) with clear headings and bullets for quick reviewer consumption.

# Deep DOCX / PDF Parsing & Robust Upload

Smart Upload (drag & drop) with support for PDF, DOC/DOCX, TXT, MD; internal Open-XML parsing for accurate extraction of clauses, headings and metadata.

The screenshot shows the Collabrium AI Workflow application running on a local host at port 8080. The interface has a dark theme with purple accents. On the left, a sidebar menu includes 'Overview', 'Dashboard', 'AI Assistant', 'AI Agents' (with sub-options: Document Analyzer, Contract Reviewer, Content Generator, AI Insights), 'Documents' (with sub-options: Smart Upload, My Documents), and 'Workspace'. The 'Smart Upload' option is highlighted with a purple background. The main content area features a header 'Smart Document Upload' with the sub-instruction 'Upload documents and ask specific questions to get AI-powered insights'. Below this is a large 'Upload Documents' section containing a dashed box with an upward arrow icon and the text 'Drop your documents here, or click to browse'. It also states 'Supports PDF, DOC, DOCX, TXT, MD files'. To the right is an 'AI Analysis Results' section titled 'Smart AI'. It displays a detailed breakdown of the uploaded Microsoft Word document's structure, mentioning XML components like 'word/document.xml', 'word/settings.xml', 'docProps/custom.xml', and 'vContent\Types.xml'. A red notification badge is visible in the top right corner of the main content area.

localhost:8080/documents

Collabrium  
AI Workflow

Overview

Dashboard

AI Assistant

AI Agents

Document Analyzer

Contract Reviewer

Content Generator

AI Insights

Documents

Smart Upload

My Documents

Workspace

Settings

AI Powered

us

Smart AI

Smart Document Upload

Upload documents and ask specific questions to get AI-powered insights

Upload Documents

Drop your documents here, or click to browse

Supports PDF, DOC, DOCX, TXT, MD files

Uploaded Files:

Resume\_20\_01\_2025\_06\_27\_51\_pm.docx 13.2 KB

The provided document is a Microsoft Word Open XML Format document (docx file) directly readable as text. The string of compressed XML data that comprises the document, including:

- **word/document.xml**: The main container for the document (text, formatting, etc.)
- **word/settings.xml**: Settings related to the Word application and document.
- **docProps/custom.xml**: Custom document properties.
- **vContent\Types.xml**: Defines the

# User-Directed Q&A on Documents

“Your Question” box allows users to ask targeted queries (e.g., “summarize”, “what are payment risks?”) and receive on-point AI answers based on the uploaded file.

The screenshot shows the Collabrium AI Workflow application running on a local host at port 8080. The interface has a dark theme with purple and white highlights.

- Left Sidebar:** Contains navigation links for Overview, Dashboard, AI Assistant, AI Agents, Document Analyzer, Contract Reviewer, Content Generator, AI Insights, Documents (with Smart Upload highlighted), My Documents, Workspace, and Settings.
- Central Area:** A large central panel for document processing. It includes:
  - A "Drop your documents here, or click to browse" area that supports PDF, DOC, DOCX, TXT, MD files.
  - An "Uploaded Files:" section showing a resume document named "Resume\_20\_01\_2025\_06\_27\_51\_pm.docx" (13.2 KB).
  - A "Your Question" input field containing the word "summarize".
  - A prominent blue "Analyze Documents" button.
- Right Panel:** Provides detailed information about Open XML Format documents.
  - Text: "Open XML Format document (docx file). It's not directly readable as text. The string of characters represents the compressed XML data that comprises the document, including:"
  - List:
    - **word/document.xml:** The main content of the document (text, formatting, etc.)
    - **word/settings.xml:** Settings related to the Word application and document.
    - **docProps/custom.xml:** Custom document properties.
    - **\[Content\Types].xml:** Defines the content types of the parts within the package.
    - **docProps/app.xml:** Application-specific

# Interactive Contract Reviewer

Focused contract modules (Payment Terms, Duration & Deadlines, Liability & Risk, Red-flag Detection) that highlight issues and recommended mitigations in plain language.

The screenshot shows a web browser window for 'localhost:8080/contract-review'. The interface is dark-themed with purple and white text. On the left, a sidebar menu lists 'Collabrium AI Workflow' sections: Overview, Dashboard, AI Assistant, AI Agents, Document Analyzer, Contract Reviewer (which is selected and highlighted in purple), Content Generator, AI Insights, Documents, Smart Upload, My Documents, and Workspace. The main content area features a header 'Contract Reviewer' with a subtitle 'AI-powered legal contract analysis and risk assessment'. Below this are four cards: 'Payment Terms' (Payment schedules, amounts, and conditions), 'Duration & Deadlines' (Contract timeline and key dates), 'Liability & Risk' (Risk allocation and liability clauses), and 'Potential Issues' (Red flags and areas of concern). The 'Contract Content' section displays a sample document snippet: 'SERVICE AGREEMENT / BUSINESS CONTRACT' followed by 'BETWEEN:' and 'AND'. The 'Legal Analysis' section shows an AI-generated analysis: 'Okay, let's analyze this Service Agreement/Business Contract.' It highlights 'I. Key Terms:' and 'Parties:' as crucial to verify legal names, jurisdictions of incorporation, and addresses.

localhost:8080/contract-review

Collabrium AI Workflow

AI Powered

Demo User

## Contract Reviewer

AI-powered legal contract analysis and risk assessment

Payment Terms  
Duration & Deadlines  
Liability & Risk  
Potential Issues

### Contract Content

SERVICE AGREEMENT / BUSINESS CONTRACT  
This Agreement is made on this \_\_\_\_ day of \_\_\_\_ 20\_\_\_\_

BETWEEN:  
[Company A Name], a company incorporated under the laws of [Jurisdiction], having its registered office at [Company A Address] (hereinafter referred to as the "First Party"),

AND

### Legal Analysis

Okay, let's analyze this Service Agreement/Business Contract.

\*\*I. Key Terms:\*\*

\* \*\*Parties:\*\* [Company A Name] (First Party) and [Company B Name] (Second Party). Crucial to verify legal names, jurisdictions of incorporation, and addresses.

localhost:8080/generator

Collabrium  
AI Workflow

Dashboard

AI Assistant

Agents

Document Analyzer

Contract Reviewer

**Content Generator**

AI Insights

Smart Upload

My Documents

Workspaces

AI Assistant

Document Analyzer

Contract Reviewer

**Content Generator**

AI Insights

Smart Upload

My Documents

Workspaces

Settings

Collabrium

AI Powered

Demo User

## Document Generator

Choose a template and let AI generate professional documents for you

**Contract**  
Business contracts and agreements  
Includes:  
Party Names, Terms, +2 more  
[Create Document →](#)

**Invoice**  
Professional invoices and bills  
Includes:  
Client Details, Items, +2 more  
[Create Document →](#)

**Proposal**  
Project proposals and quotes  
Includes:  
Project Scope, Timeline, +2 more  
[Create Document →](#)

**Report**  
Business reports and analysis  
Includes:  
Title, Summary, +2 more  
[Create Document →](#)

Includes:  
Party Names, Terms, +2 more  
[Create Document →](#)

Includes:  
Client Details, Items, +2 more  
[Create Document →](#)

Includes:  
Project Scope, Timeline, +2 more  
[Create Document →](#)

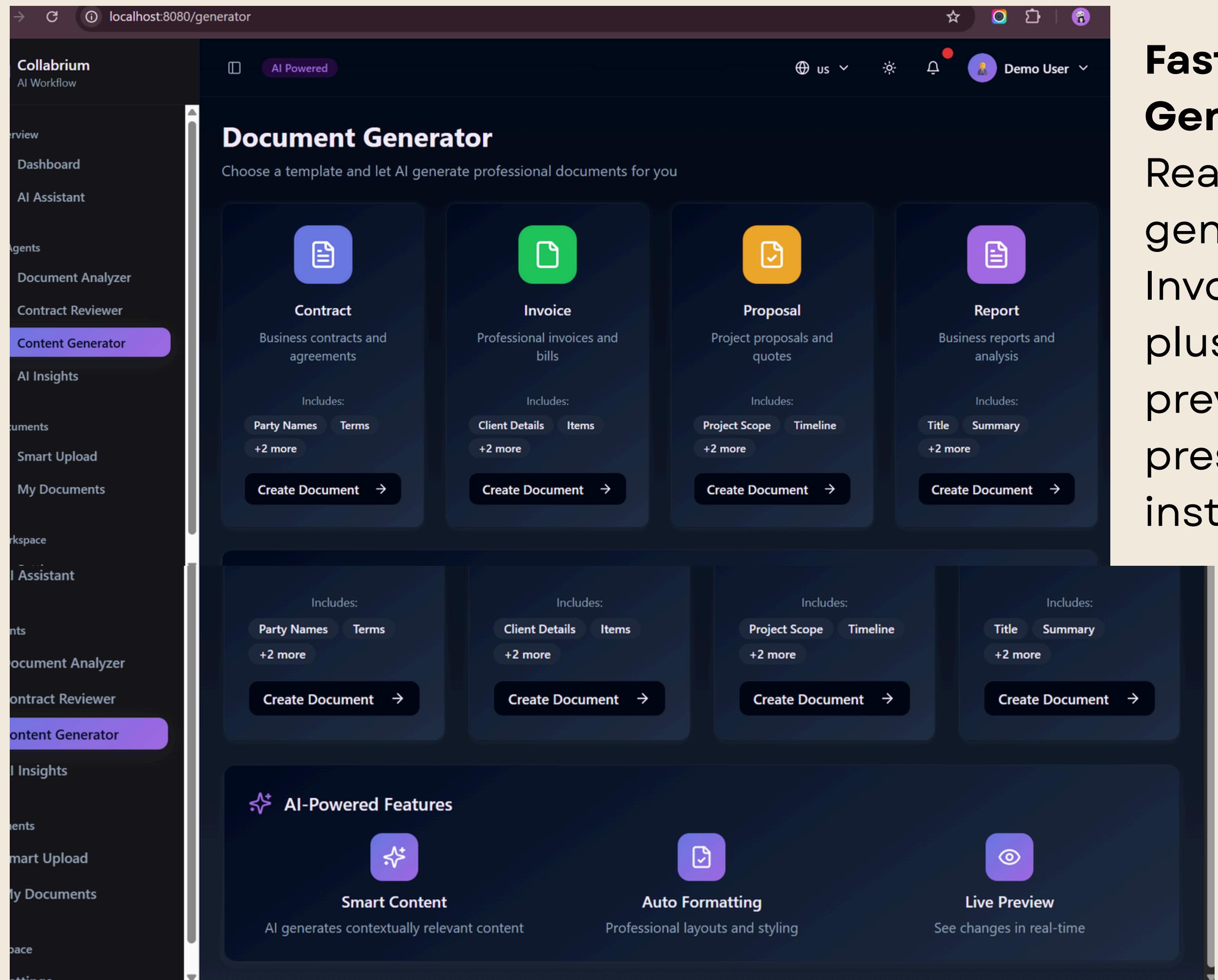
Includes:  
Title, Summary, +2 more  
[Create Document →](#)

**AI-Powered Features**

**Smart Content**  
AI generates contextually relevant content

**Auto Formatting**  
Professional layouts and styling

**Live Preview**  
See changes in real-time



# Fast, Trusted Content Generation

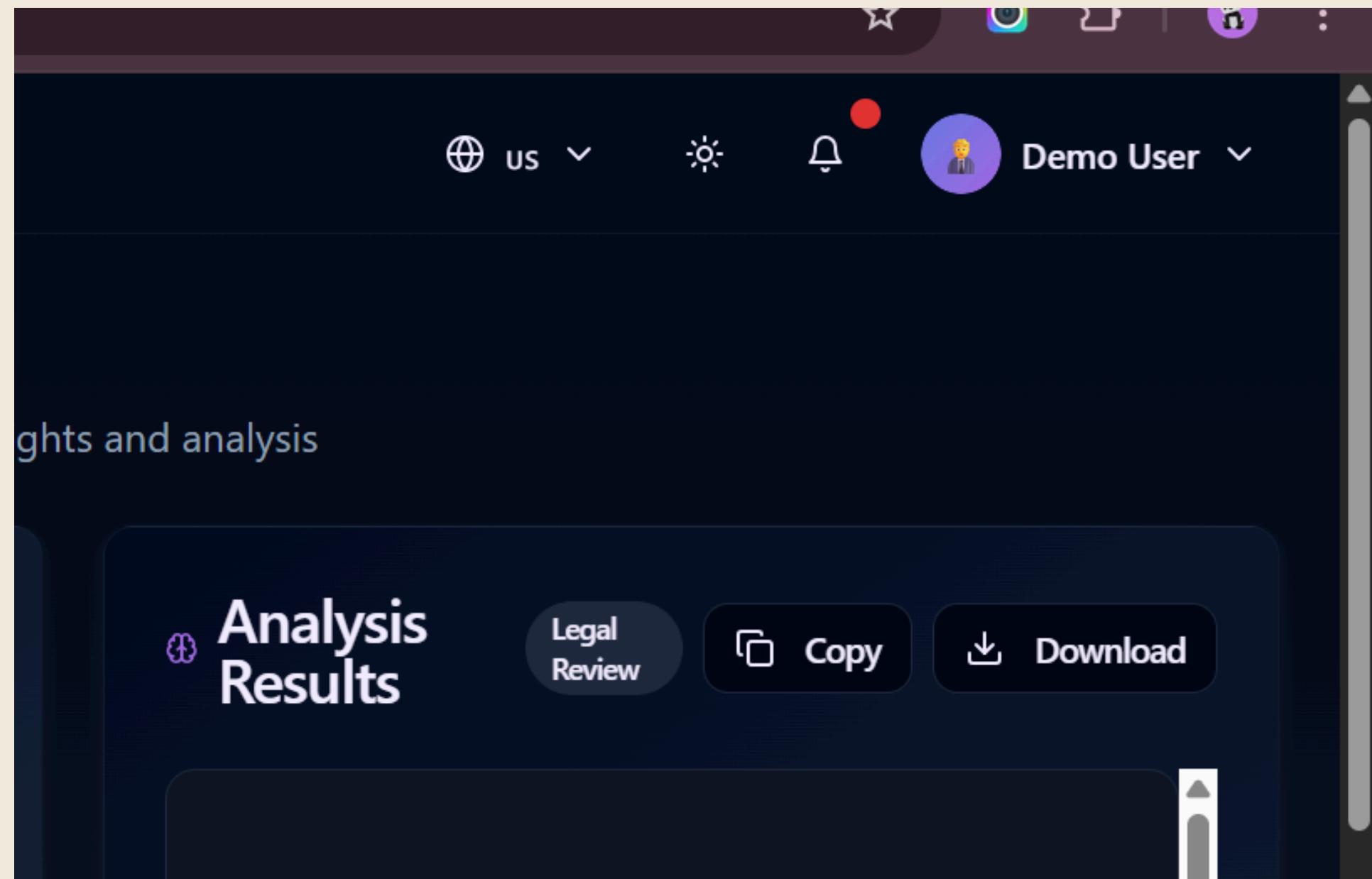
Ready templates and one-click generation for Contracts, Invoices, Proposals, Reports plus auto-formatting and live preview to produce presentation-ready documents instantly.

## Clean, Role-friendly UX

Intuitive left-nav (Dashboard, AI Assistant, Agents, Documents), demo credentials for judges, and a polished dark theme UI designed for rapid onboarding and reviewer workflows.

## Export & Share-friendly Outputs

Copy and Download controls on analysis results for rapid reporting, evidence capture, or inclusion in project dossiers and MoUs.

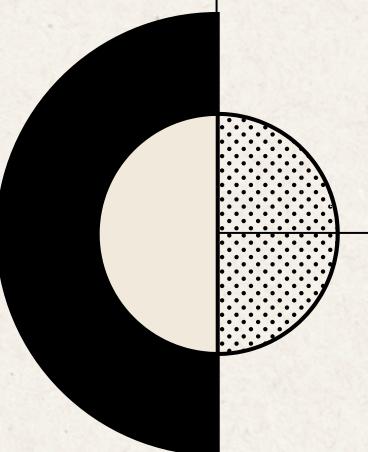


# Tech Stack Used

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**HIGHLY CUSTOMISABLE & MODULAR ARCHITECTURE: DESIGNED TO PLUG INTO BOTH PRIVATE SECTOR AND GOVERNMENT SYSTEMS WITH MINIMAL CHANGES.**

**API/AI INFRASTRUCTURE (FUTURE COSTS FOR EXTERNAL APIs OR LLMS).**



Frontend Dev	React ,tsx , Tilwind Css AND Shadcn UI
Programming Language	React ,tsx
Version	Git/Github
Deployment	Vercel

# Scalability and Future Use

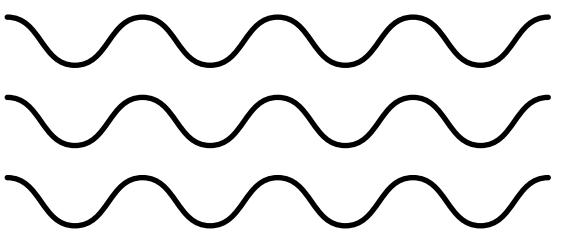
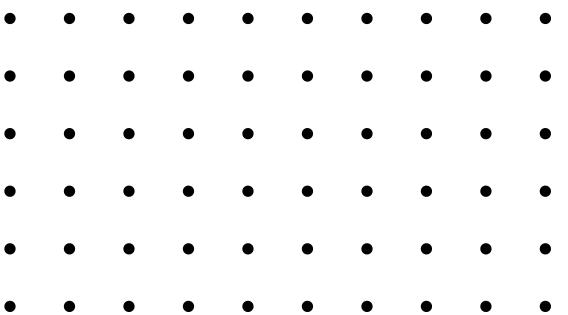
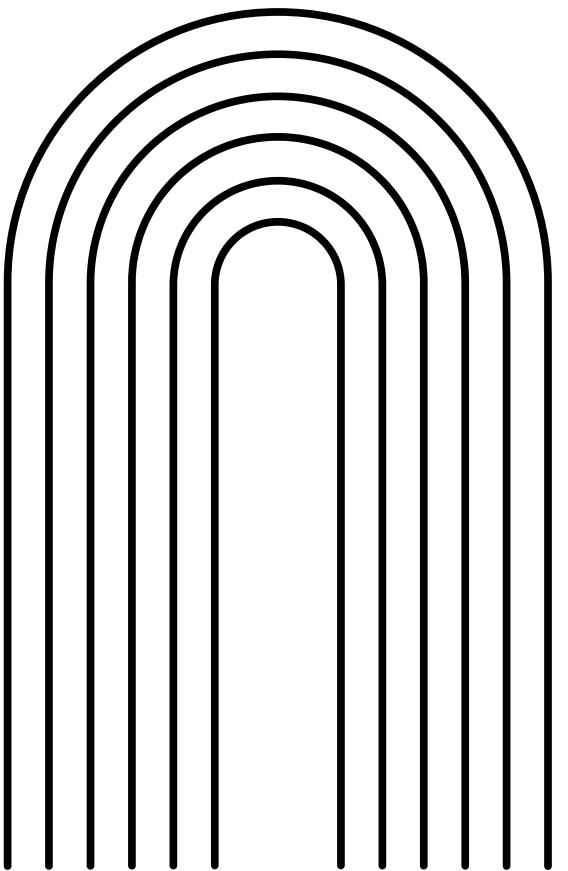
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## Channels

- B2B outreach (government, startups, IT firms). Hackathons sponsorships, tech expos, innovation cells.
- Online platforms like GitHub, Product Hunt, etc.
- Institution-level demos for government & NGO project onboarding.

## Revenue Streams

- Freemium model: Basic project collaboration free, premium features (like analytics, advanced documents, templates) paid.
- SaaS model for businesses, government, or NGOs.
- Custom implementation for institutions or private firms.



# **Thank you**

**CONNECT WITH US**

**Gaurav's Profile**

