

STREAMLINE COLLEGE ADMINISTRATION

Simplifying College Admin with Automation &
Intelligence

-Harsh Kochar

1

-Aakash Agarwal

PROBLEM STATEMENT

Traditional college administration systems are plagued with inefficiencies, leading to significant delays and errors.

We've identified several key pain points:

- Manual handling of ID cards and documents creates bottlenecks and increases administrative burden.
- Unorganized department document storage makes retrieval challenging and time-consuming.
- Inconsistent student photo validation leads to security vulnerabilities and compliance issues.
- Lack of a centralized system for managing tasks results in fragmented workflows and missed deadlines.
- Overwhelmed administrators struggle to handle the high volume of routine student queries.



HOW WE ARE SOLVING THE PROBLEM

01 Role-Based Access

Secure login for Students, Department Admins, and Super Admins, ensuring appropriate access levels.

02 Smart AI Photo Validation

An integrated room for automated student photo validation, ensuring consistency and compliance.

03 Auto QR ID Card Generation

Automated generation of secure QR-enabled ID cards, reducing manual effort and errors.

04 Super Admin Control Panel

A centralized panel for comprehensive oversight and management by the Super Admin.

05 AI Chatbot for Student Support

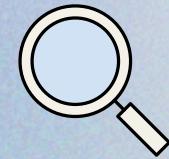
An intelligent chatbot to handle common student queries, freeing up administrative staff.

06 Auto-Tagged Document Storage

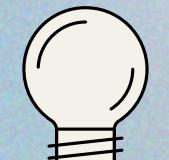
Intelligent, auto-tagged document storage for departments, enabling quick and efficient retrieval.

WHAT MAKES US DIFFERENT (OUR USP)

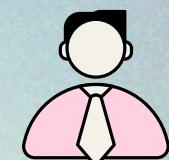
Our solution differs from traditional systems and existing LMS by emphasizing real administrative automation with advanced AI capabilities.



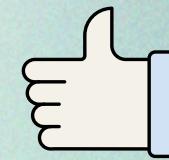
Enhanced AI-Driven Verification for Documents and Photos



Department Document AI Tagging Department Document AI Tagging can be enhanced for clarity and precision.



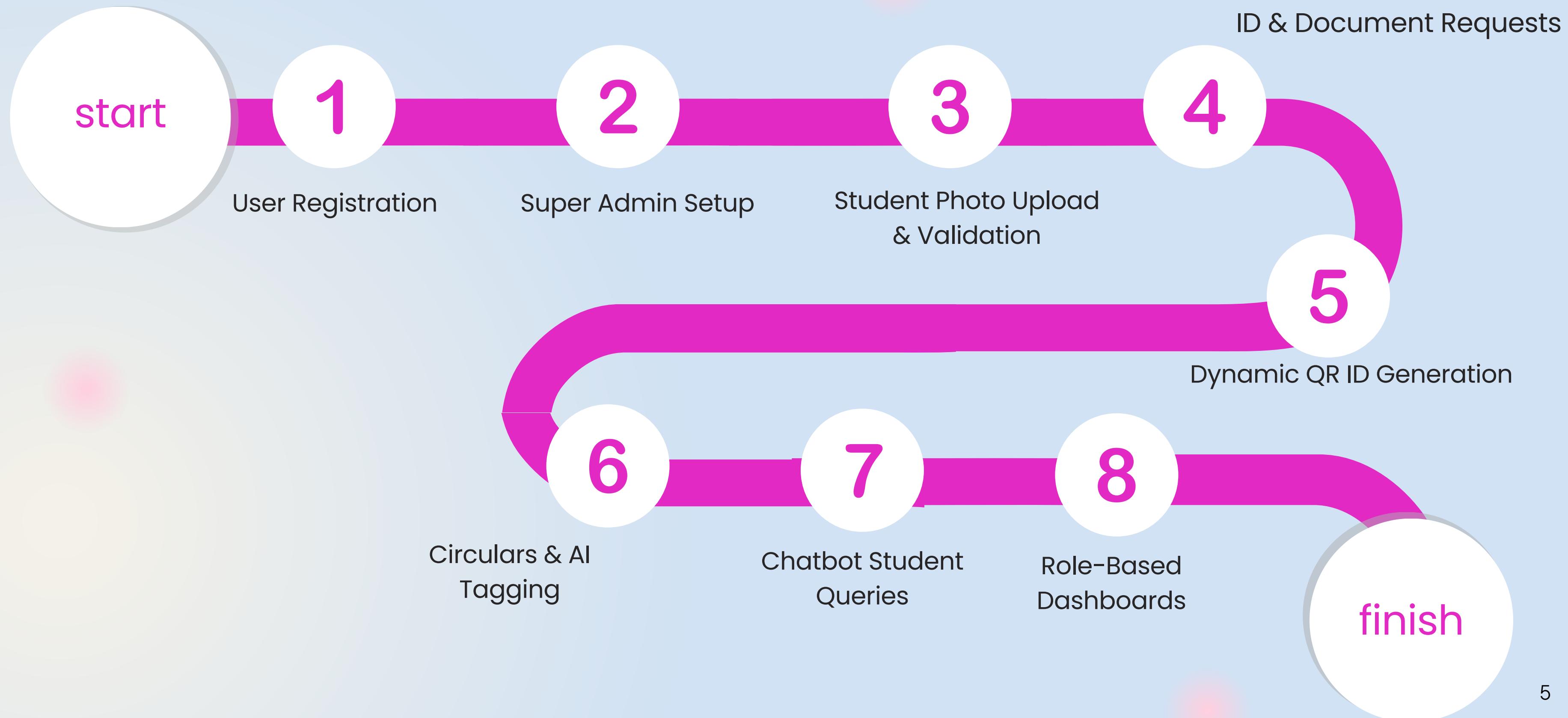
Auto ID Cards with Face Check & QR, which Streamlines ID generation with enhanced security features.



Tailors administrative processes to specific roles, optimizing efficiency and accountability.

ROADMAP

Project Flow: Streamlining Administration



FUTURE SCOPE

We are excited about the potential of the College Administration System MVP and invite you to join us in shaping the future of higher education administration:

- **Pilot Program:** We propose initiating a pilot program with a select department to demonstrate the system's capabilities in a real-world setting.
- **Feedback Session:** Following the pilot, we will conduct a detailed feedback session to gather insights and identify areas for further enhancement.
- **Phased Rollout:** Based on successful pilot outcomes, we envision a phased rollout across all departments, ensuring a smooth transition.
- **Scalability Planning:** We will outline a long-term strategy for scaling the system to accommodate future growth and evolving needs.



TECH STACK

Frontend

- React.js for UI
- Tailwind CSS for responsive design
- Cropper.js for image editing
- Framer Motion for animations

Storage

- MongoDB with Mongoose for database
- Firebase / Cloudinary / Google Drive for file and image hosting

Backend

- Node.js + Express.js for server-side logic
 - JWT for secure authentication
- AI & Utilities
- Tesseract.js for OCR (document reading)
 - Google Vision API for image verification
 - LangChain + Gemini/OpenAI for chatbot
 - jsPDF / html2pdf for ID card PDF generation



Team Zigsy

THANK YOU

ENROLLEX IS LIVE

