

Transcript Management & Procesing System

Modernizing how records are submitted, tracked, and procesed.

emt-transcripiter.emt.fsu.edu

About Me

Hello, my name is Ammiel Bowen. I am a third-year computer science student with aspirations in computational neuroscience and optimization. After graduating, I plan to work with a fortune 500 company and go back to school to earn my masters and eventually doctorate.

MAIN SOFTWARE / TECHNOLOGIES USED

Frontend: React, Vite, Javascript, CSS

Backend: Node.js, Express

Database: MongoDB

Other Tools: Github Version Control

REST API Architecture

Key Aspects

- Role-Based Access Control (Administrator, Registrar, Imaging Staff, etc.)
- Transcript Submission Interface for structured intake
- Real-Time Dashboard for viewing and managing transcript records
- Analytics tools for monitoring submission trends and workflow activity
- Secure backend validation and controlled data handling
- Institutional integration with employee and department roles

Abstract

This project focuses on designing and implementing a centralized Transcript Management System that replaces fragmented manual processes with a structured workflow.

The application allows staff to submit transcript records, track processing progress, manage employee roles, and analyze transcript activity through a role-based dashboard.

By integrating structured validation, audit logging, and institutional data controls, the system improves operational transparency and ensures consistent handling of transcript records across departments.

Dashboard

Allows staff to record incoming transcripts in a structured format. The form captures critical information such as student identifiers, source, and destination.

Dynamic validation ensures that submission contain accurate and complete information

The screenshot shows a web form titled "Transcript Submission". It includes input fields for "Last Name", "EMPLID (9 digits)", and "SLATE Apply ID (9 digits)". There are checkboxes for "Connect" and "Onbase". At the bottom, there is a "Submission Disabled" message and a "Go to Dashboard" button. A footer note says "Please use an Imaging Staff account."

Dashboard

The Dashboard provides a centralized view of transcript records currently in the system. Staff can sort, filter, and manage transcript entries while administrators have additional capabilities such as editing records and reviewing system activity.

This interface serves as the primary operational workspace for transcript processing.



Capabilities

- Submission and storage of transcript records
- Multi-document support for processing
- logging of all actions (create, edit, delete)
- Administrative tools for managing users

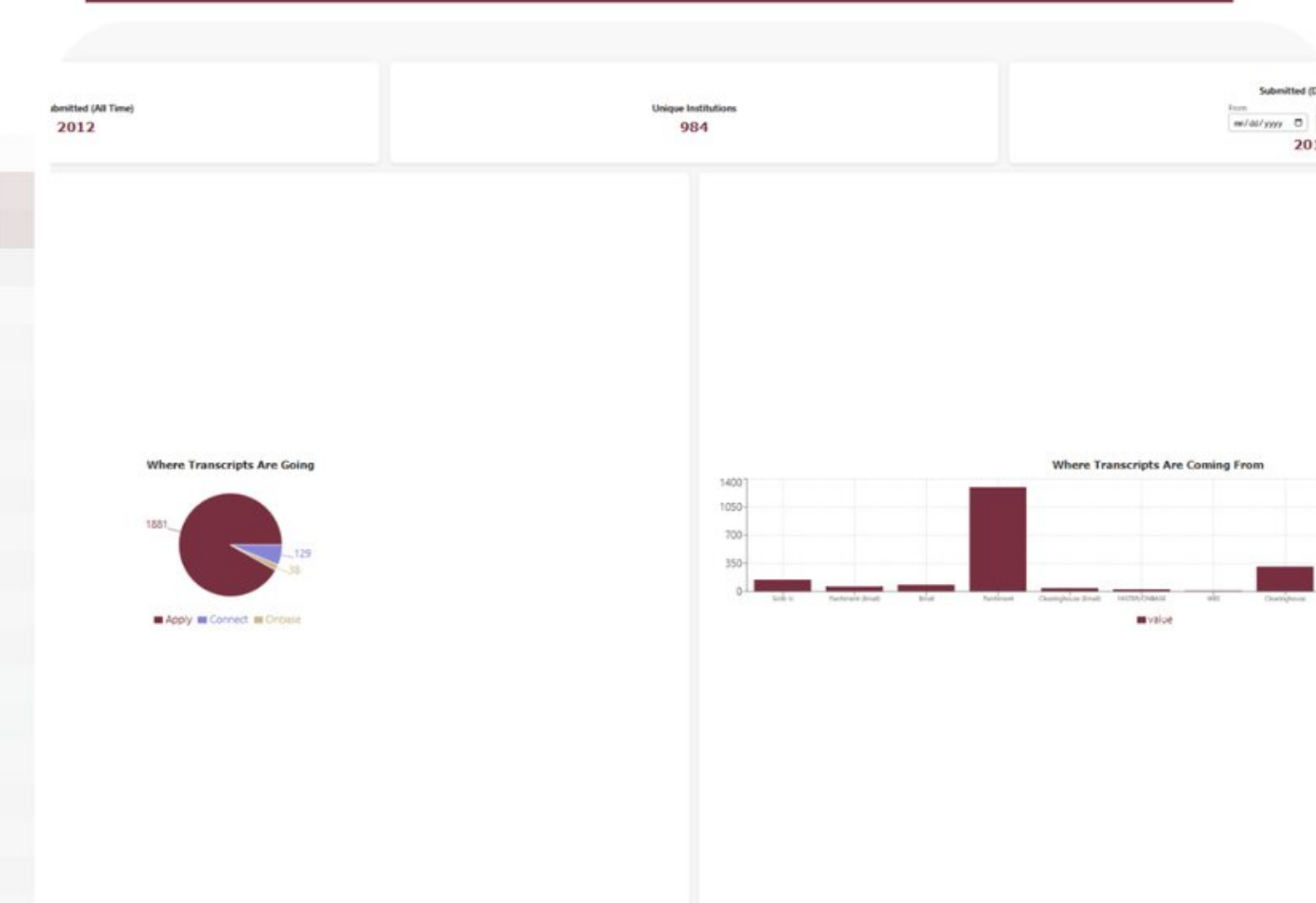
Next steps

1. Automated transcript document processing
2. Integration with additional university systems
3. Improved searh and filtering tools
4. Enhanced user activity monitoring and insights
5. Reporting tools for administrators

Project difficulties

- Maintaining accurate audit logs across actions
- Ensuring secure handling of sensitive info
- Building interface that are intuitive for staff
- Designing a flexible role-based system

Analytics



The analytics page provides insight into transcript workflow activity, Administrators can review submission trends, monitor processing performance, and identify operational patterns

These analytics help improve administrative decision-making and provide transparency into transcript management processes

Contact details



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