



## BANNARI AMMAN INSTITUTE OF TECHNOLOGY

An Autonomous Institution Affiliated to Anna University - Chennai, Accredited by NAAC with A+ Grade  
Sathyamangalam - 638401 Erode District, Tamil Nadu, India

**Student Name:** PERINBA SARAVANAN K

**Seat No:** 411

**Project ID:** 11

**Project title:** Bulk Mail ID Blocking/Unblocking

### Technical Components

COMPONENT	TECH STACK
Backend	NODE.js
Frontend	REACT.js
Database	MongoDB
API	REST Ful API

### Implementation Timeline

Phase	Deadline	Status	Notes
Stage 1	04/05/2024	In progress	Planning and Requirement Gathering
Stage 2		Not started	Design and UI/UX Prototyping
Stage 3		Not started	Database Design and Implementation
Stage 4		Not started	Backend Development
Stage 5		Not started	Integration and Testing
Stage 6		Not started	Deployment

## **PROBLEM STATEMENT:**

The main aim of this project is for students' misconduct or non-compliance with grooming standards often leads to disciplinary action, including the blocking of their email IDs by college management. However, the manual process of identifying and blocking students individually is time-consuming and inefficient. This results in delays in enforcing disciplinary measures and affects the overall management of student behavior. To address this issue, there is a need for a system that can efficiently block email IDs of students in Bulck who are not adhering to college regulations. This system should streamline the process, ensuring timely enforcement of disciplinary actions and maintaining a conducive learning environment. Key stakeholders include college administrators, faculty members, and IT personnel. By implementing such a system, educational institutions can effectively manage student behavior and uphold disciplinary standards.

## **PROJECT-FLOW:**

### **Purpose:**

Develop a website that Manages the email id of the students and block or unblock them according to the disciplinary behavior of the students that only can be accessible by admins and faculties.

### **Scope:**

The scope of this project includes user authentication, mailer request form, conflict resolution and a real-time dashboard and it aims to minimize the time, and administrative burden.

### **Business Context:**

Manual processes for identifying and addressing students' misconduct led to inefficiency and delays. The system will streamline disciplinary processes, ensure timely enforcement of regulation. Key stakeholders include college administrators, faculty and developers are integral to implementing and maintaining this system to uphold disciplinary standards.

### **Consideration:**

- Admins have full access to website and can change the rules according to the management.
- Faculties can access but limited when compared to admins.
- This Website only for admins and faculty so students can't have access to the website.
- Developer can have full access so he/she could solve any bug if it came

**Dependencies:**

- Integration with Google OAuth for user authentication.
- Consistent performance and availability of the system.

**User personas:**

- Admin: Manages the system operations resolves conflicts and approve mail requests.
- Faculty: Can have the access to block or unblock students email ID's.

**Functional Requirements:**

- User Authentication using Google OAuth to ensure secure access to the system.
- Ability to block students email ID upon detection of misconduct.
- Dashboard for administrators and manage disciplinary actions, including blocked email id and managing appeals.
- Integration with existing student information system for comprehensive student record to management and disciplinary history tracking

**Implement and Testing:**

Implement the system according to the specified requirements and conduct thorough testing ensuring functionality usability and reliability.

**Deployment and Maintenance:**

Deploy the bulk mail blocking / Unblocking system within educational institutions, ensuring compatibility within existing infrastructure and user device. Provide ongoing maintenance and support to address any issues, update features, and ensuring continue performance and effectiveness of the system.

**FLOW CHART:**

