HACKFUSION 2.0

Problem Statement: Automated Paperless Transparent College System

Background:

Colleges often struggle with transparency in administrative processes, student elections, financial tracking, and complaint management. Manual processes lead to delays, lack of accountability, and limited student involvement. An automated, paperless system can improve efficiency, fairness, and accessibility.

Problem:

Current college administrative processes lack **transparency, efficiency, and accessibility** for students and faculty. There is no **centralized digital system** to manage elections, approvals, complaints, budget tracking, and student-related notifications.

Proposed Solution:

Develop a **web or mobile-based platform** that digitizes key administrative functions in a transparent and structured manner. The system will ensure fair elections, automated approvals, budget accountability, and anonymous complaint handling, while making key information accessible to students and faculty.

Key Features & Functionalities

1. Student Election System

- Online election platform for student councils with candidate profiles.
- Secure voting mechanism with college email authentication.
- Live result tracking for transparency.

2. Automated Health & Leave Notifications

- If a student is reported sick by the college doctor, an **automatic email** is sent to the respective class coordinator.
- If a student leaves campus, an **automated email** is sent to their parents for safety tracking.

3. Campus Facility Booking System

- Online **prior booking system** for campus places (e.g., tennis court, auditorium).
- Approval mechanism from relevant authorities.
- Availability status visible to students and faculty.

4. Transparent Application & Approval System

- **Single portal** for submitting applications related to:
  - Event organization
  - Budget approvals
  - Sponsorships
- Applications visible to all students and faculty.
- **Approval workflow:** Designated authority reviews requests.
- **Priority-based escalation:** Unattended applications gain priority over time.
- **Real-time tracking:** Students and faculty can track the status of applications.

5. Academic Integrity & Cheating Record System

- If a student is caught cheating in an exam, their details (name, reason, and proof) are **publicly visible** to all students.

6. Anonymous Complaint System

- Students can submit anonymous complaints, which are **visible to all**.
- Complaints undergo moderation; **vulgar content is blocked** (no inappropriate images/videos).
- Identity of anonymous complainants is **revealed only if a majority of board members approve**.

7. Transparent College Budget & Sponsorship Tracking

- **All college sponsorships and budgets** (event funds, department budgets) are public.
- **Expense proofs (bills, receipts, images)** must be uploaded for verification.
- Similar transparency for **mess budgets managed by students.**

8. Restricted Access for College Members Only

- The system is accessible **only via college email IDs** to ensure authenticity.

Expected Impact:

✅ **Transparency**: Students and faculty can track applications, funds, and election processes openly.
✅ **Efficiency**: Automated approvals and notifications reduce manual workload.
✅ **Accountability**: Budget tracking and complaint handling prevent misuse of funds and power.
✅ **Fair Elections**: A structured online voting system ensures integrity.
✅ **Student Safety**: Automated health and leave notifications keep parents informed.