BANNARI AMMAN INSTITUTE OF TECHNOLOGY
An Autonomous Institution Affiliated to Anna University - Chennai, Accredited by NAAC with A+ Grade
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Student Name : GUNASEELAN V

Seat No : 257

Project ID : 16

Project title : Internship course exemption.

Technical Components:

Component	Tech Stack
Backend	Django python
Frontend	HTML, CSS, JS
Database	SQLite
iteAPI	OpenAI

PROBLEM STATEMENT:

The development of an Internship Course Exemption system is enhancing the easier way to complete a course while the student has attended an internship (90 days).

- **Background:** Many educational institutions require students to complete specific courses as part of their degree programs. However, students who gain practical experience through internships often find that these experiences provide equivalent or greater learning opportunities compared to traditional coursework. Recognizing this, institutions may offer course exemptions for students who complete substantial internships.
- **Lack of Accountability:** Without an effective internship course exemption system, colleges may face challenges in generating mark and completion of internship program of a student.
- **Current issue:** The present procedure for receiving a course exemption due to an internship experience is frequently opaque and time-consuming. The process of manually submitting different paperwork and waiting for approval can be unpleasant and time-consuming for students. This inefficiency can cause needless administrative burdens and impede students' academic advancement.

PROJECT-FLOW:

Purpose:

The primary purpose of the “Internship Course Exemption” project is to create an efficient, transparent, and user-friendly online system that allows students to apply for course exemptions based on their internship experiences. This system aims to:

- **Streamline the Application Process:** Provide a centralized platform where students can easily submit their exemption requests, upload necessary documents, and track the status of their applications in real-time.
- **Reduce Administrative Burden:** Minimize the manual workload for faculty and administrative staff by automating the review and approval process, allowing them to focus on more critical tasks.
- **Support Academic Progress:** Enable students who have completed at least 90 days of internship to leverage their practical experience for course exemptions, thereby accelerating their academic journey and allowing them to focus on other areas of their studies.
- **Improve Satisfaction:** Increase overall satisfaction for both students and faculty by providing a clear, efficient, and fair process for recognizing and accrediting relevant internship experiences.

Scope:

The "Internship Course Exemption" project's scope includes a number of important topics. First, it entails creating an intuitive online portal that students can use to request exemptions, making sure that it is responsive and accessible on a range of devices. To safeguard data privacy, the project also entails developing secure login features for administrators and students alike. Through the website, students will be able to complete forms and upload required files, like work reports and certificates of internship completion. In order to keep students informed, the system will also offer automated notifications and real-time application status tracking.

Faculty and administrative staff will have access to an admin dashboard with features for reviewing

and managing exemption requests, including the ability to log in, evaluate applications, approve or reject requests, and provide feedback. A secure document management system will also be implemented as part of the project to store and retrieve uploaded documents. Decision-making standards and administrative rules will be developed, as well as a workflow for the review and approval process. In addition, the project will have a system that allows students to file more information or appeal denied requests, along with an administrator reevaluation procedure.
To help with process improvement, reporting and analytics elements will be integrated to provide insights on exemption requests and approval rates. The system will be secure to safeguard sensitive data and adhere to institutional rules and any data protection laws. The system will then be thoroughly tested to make sure it operates as intended, and it will be deployed in a live environment with continuous maintenance and support. The goal of this all-inclusive strategy is to manage internship course exemptions in an effective and transparent manner that will benefit instructors and students alike.

Consideration:

- Design an intuitive and user-friendly interface to enhance the user experience and encourage adoption of the application.
- Implement robust security measures to protect user accounts, prevent unauthorized access.

Dependencies:

- **Google Authentication API:** Dependency for user authentication and sign-in functionality.
- **Student Documents:** Dependency for documents of the students for the approval of course exemption.
- **Email Notification Service:** Dependency for sending notifications to users regarding submission status.

User personas:

- **Student:** College student attending various events and submitting attendance details.
- **Administrator:** Oversees the overall operation of the Event Tracker application and approves/rejects attendance submissions.

User Stories:

- As a student, I want to select a course and enter my name, roll number and department.
- As a student, I want to update my request by submitting the proper documents.
- As a student, I want to record the out-time upon completing the internship.

- As an administrator, I want to oversee the operation of the Internship course exemption and handle the course completion of the student.

Functional Requirements:

- **User Authentication:** Allow users to sign in with their Google account.
- **Internship Selection:** Provide a list of available internships for users to choose from.
- **Data Entry:** Collect user details such as name, roll number and date.
- **PDF Report Generation:** Convert event details into a PDF report for submission.
- **Submission Review:** Allow administrators to review attendance submissions and approve/reject them.
- **Email Notifications:** Send notifications to users regarding submission status (approved/rejected).

FLOW CHART: