



# Documentation

**Student Name:** Balasriraam B

**Roll No.** 7376221EC121

**Seat No.** 396

**Project ID.** 36

**Project domain:** External technical events portal

## Problem Statement:

- **Lack of Certificate Verification:** There is a lack of a reliable system or process to verify the authenticity and originality of certificates submitted by students.
- **Unverified Event Attendance:** There is no mechanism to ensure and validate that students were physically present at the event venue during the scheduled time.

## Technical components:

Component	Tech stack
<b>Frontend</b>	HTML CSS JavaScript
<b>Backend</b>	Windows Apache web server PHP with Laravel framework
<b>Database</b>	MySQL

<b>API</b>	Restful API
------------	-------------

### Implementation timeline:

Phase	Deadline	Status	Description
Stage 1	04/05/2024	On process	
Stage 2			
Stage 3			
Stage 4			
Stage 5			
Stage 6			

Project flow:

### Purpose:

To track and verify student participation in events and the authenticity of submitted certificates.

### Scope:

This system includes user authentication, a dashboard for viewing event details, geotag and location tracking capabilities, and integration with camps to check the OD status of students.

### Business Context:

It aims to provide a centralized platform for managing events, monitoring locations, and ensuring that students are available at the event venue. Primary stakeholders include students, faculty, administrative staff, and the IT department.

### Consideration:

- All users possess active Google accounts for authentication.
- Users have regular access to internet-enabled devices

**Dependencies:**

- Integration with Google OAuth for user authentication.
- Consistent performance and availability of the existing email server

**User personas:**

- Student: User-friendly web portal for submitting geotagged images as attendance proof.
- Faculty: Secure web portal for efficient review and verification of geotagged images and student details.

**User Stories:**

- As a student, I need a user-friendly web portal to submit my event participation documents.
- As a faculty, I need an efficient system to verify the students' participation in the event venue and reward the deserving ones.

**Functional requirements:****1. User Management:**

User registration and login for students and faculty.

**2. Event Management:**

Faculty can create and manage events with details like title, description, date, location, and reward information.

**3. Student Attendance Submission:**

→ Students can submit geotagged images as proof of attendance for specific events.

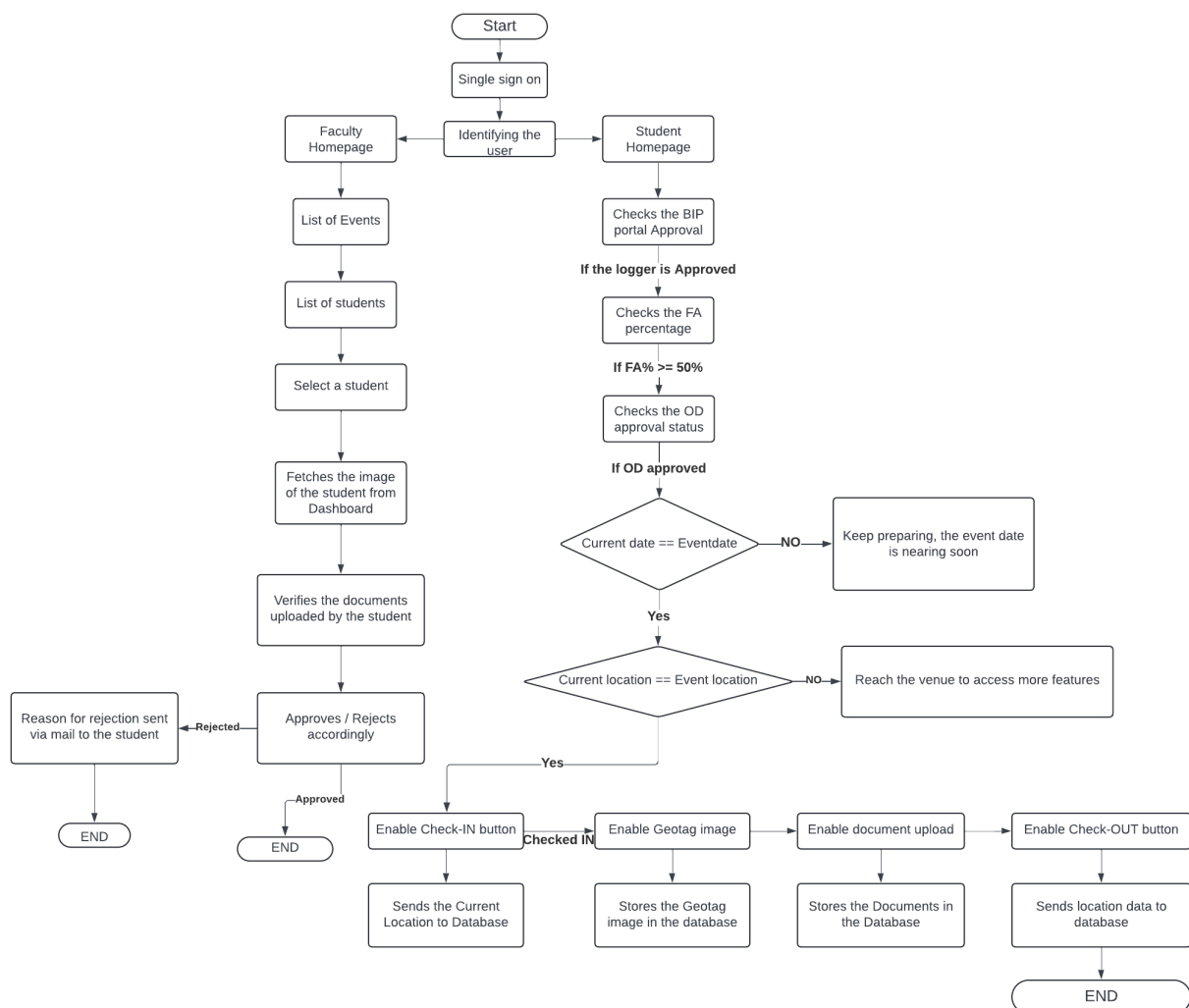
→ The system should validate the image format and ensure location data is embedded.

→ Students can view their submission history and track the verification status.

#### 4. Verification Process:

- Faculty with verification privileges can access a dashboard to review submitted geotagged images for each event.
- The system should display student details alongside the image for verification.
- Faculty can approve genuine submissions for reward consideration.

#### Flowchart:



[https://lucid.app/lucidchart/0f826d82-380b-482f-88b5-9dc9dd25d7eb/edit?viewport\\_loc=-704%2C441%2C3840%2C1776%2C0\\_0&invitationId=inv\\_587d5caa-205a-4993-accb-c4a093b9fc85](https://lucid.app/lucidchart/0f826d82-380b-482f-88b5-9dc9dd25d7eb/edit?viewport_loc=-704%2C441%2C3840%2C1776%2C0_0&invitationId=inv_587d5caa-205a-4993-accb-c4a093b9fc85)

