



Student Name: HARI PRASATH S

Seat No: 156

Project ID:36

Project title: External Technical Events Portal

Technical Components

Component	Tech Stack
Backend	Python, Django
Frontend	Html, CSS, JS
Database	MySQL
API	RESTful services

Implementation Timeline

Phase	Deadline	Status	Notes
Stage 1	15/04/2024	Approved	Planning and Requirement gathering
Stage 2	26/04/2024	Under review	Design and Prototyping
Stage 3		Under review	Database Designing
Stage 4		In progress	Backend Implementation
Stage 5		Not started	Testing & Implementation

PROBLEM STATEMENT:

An app needs to be developed for the following themes. Tracking the student participation in the particular event. Originality of the certificate submitted in the BIP portal. To avoid the

- **Fake certificates** - copying certificates from another person certificate
- **Fake geotags** - making the fake geotags from other locations

PROJECT-FLOW:

Purpose:

To develop a centralized event management app that efficiently handles event registrations and communication within the college community, addressing existing issues of fake geotag and certificate uploading conflicts and communication inconsistencies.

Scope:

The app will primarily focus on providing event management functionalities for technical events within a college community. It will allow users to log in securely, access technical events, submit event details, and view submitted forms. Staff members will have the ability to review and approve submitted event forms. The app will be developed for both iOS and Android platforms.

Business Context:

The app aims to improve the efficiency of event management processes, reduce manual to find the certificate is real or fake workload for staff, enhance user experience for students, and enable better communication regarding event statuses and updates.

Consideration:

- The app must integrate seamlessly with existing college email systems for authentication.
- User data privacy and security must be ensured throughout the application.
- The app should be user-friendly and accessible to all members of the college community.

Dependencies:

- Integration with collage email server via Google OAuth for user authentication.
- Consistent performance and availability of the existing email server.
- Access to location services and device camera for geotagging image uploads.

User personas:

- **Student:** Requires easy access to event information, seamless registration process, and convenient check-in/check-out functionalities.
- **Administrative Staff:** Needs efficient event management tools, including real-time monitoring of registrations and attendance.
- **Technical Support:** Provides assistance for app-related issues and ensures smooth operation of the system.

User Stories:

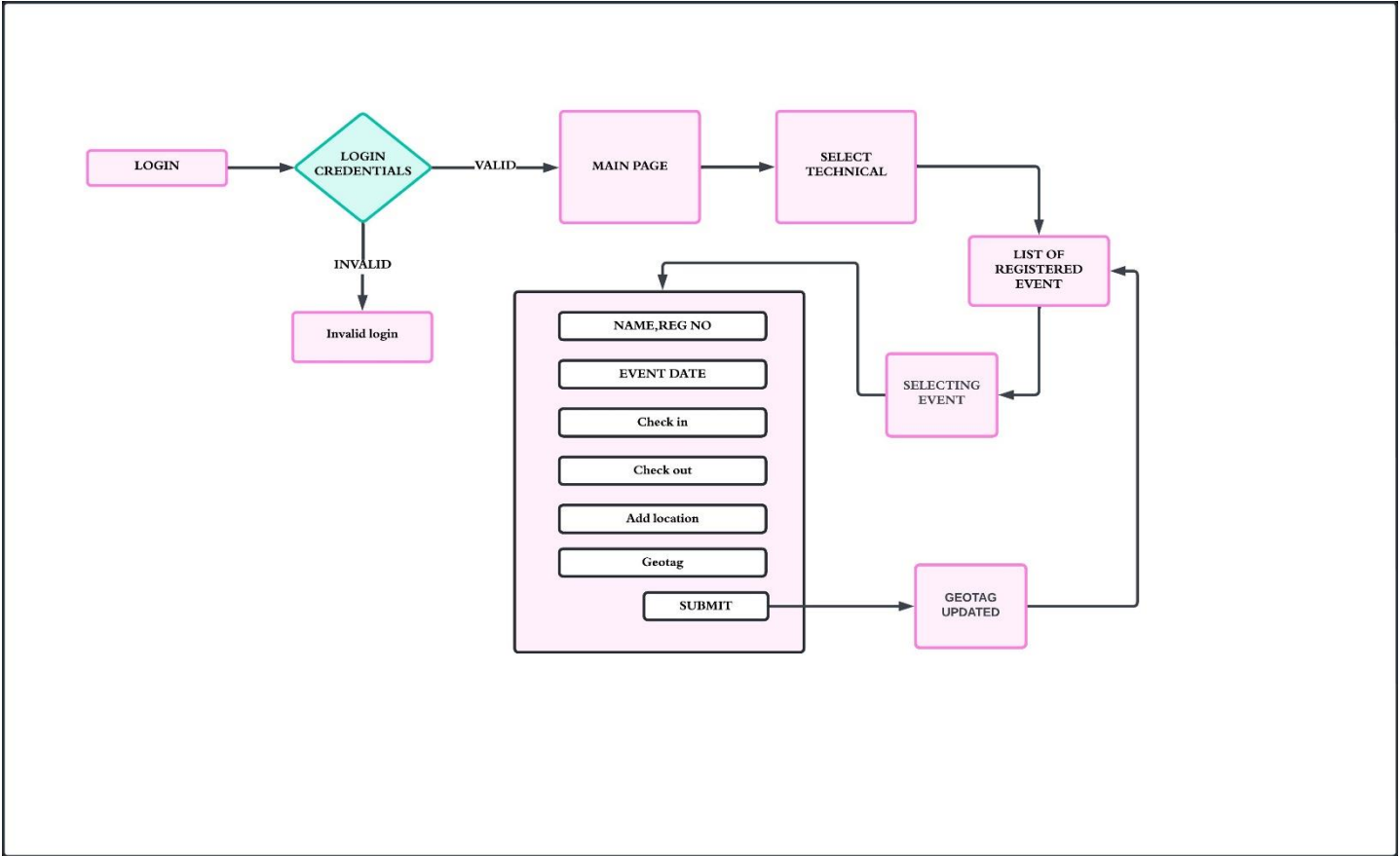
- As a student, I want to upload the correct certificate with the correct details.
- As a faculty member, I need to ensure the certificates uploaded in the portal is correct with the real location of the student and with the timing details.

Functional Requirements:

- **User Authentication:** Secure login with college email ID and password.
- **Main Page:** Displays technical event options after successful authentication.
- **Event Form Page:** Users input competition details, including name, user info, check-in/out time, location, and image upload.
- **Form Submission:** Completed forms are securely stored upon submission.
- **Forms Page:** Displays all submitted forms; staff can review and approve them.
- **Form Approval:** Staff review and approve/reject forms for accuracy.

FLOW CHART:

1) USER FLOW:



2) ADMIN FLOW

