

NAME	SIVASANTHIYA K S
ROLL NO	7376221CS312
PROJECT ID	36
SEAT NO	76

TECHNOLOGY STACK:

COMPONENTS	TECHNOLOGY USED
FRONTEND	ANGULAR
BACKEND	EXPRESS JS
DATABASE	MONGO DB
RUNTIME ENVIRONMENT	NODE JS

1. PROBLEM STATEMENT:

Student Event Participation Tracking

- **Objective:** Develop an application to track student participation in specific events.
- **Background:** The existing system lacks a dependable method to authenticate student participation in events, resulting in situations where students may submit altered certificates to fulfill requirements without genuine involvement.
- **Challenges:** Instances of students editing certificates to fulfill requirements without actual participation. Difficulty in verifying the authenticity of submitted certificates.
- **Proposed Solution:** Create a portal with additional features to verify student participation, ensuring integrity in event attendance records.

2. PURPOSE:

To create a system that accurately monitors student engagement in events, effectively preventing misuse of participation records while ensuring clarity and reliability in tracking students' involvement.

3. **SCOPE:**

The Event Participation Management System aims to develop a comprehensive web application to track and manage student participation in various events within the institution. The system will provide users with a platform to upload proof of their participation in events, which will be reviewed and approved or rejected by administrators.

4. **SYSTEM OVERVIEW:**

- **User Authentication:**

Users will securely log in to access their profiles and participation history.

- **Participation History:**

Users can view a detailed list of events they have previously participated in, along with the status of each participation (approved or rejected).

- **Participation Upload:**

Users can upload proof of their participation in new events by providing relevant details such as:

- Name
- Event participated in
- Logger ID
- OD date
- Location recording with date and time
- Geotagged photo
- Abstract document
- Certificate proof

- **Admin Dashboard:**

- Admins will have access to a dashboard to manage participation requests, including
Reviewing participation details
Verifying logger IDs and other provided information
Approving or rejecting participation requests
Providing remarks for rejections

- **Automated Checks:**

- If a logger ID is not found for the event, or if the OD (On Duty) date is not available for that logger ID, the participation request is automatically rejected with remarks indicating the absence of a valid logger ID or OD date. Participation requests with location recording times less than 2 hours are automatically rejected with remarks indicating insufficient participation time.

- **Manual Review:**

- Admins will manually review the remaining participation details and either approve or reject the requests based on accuracy and completeness.

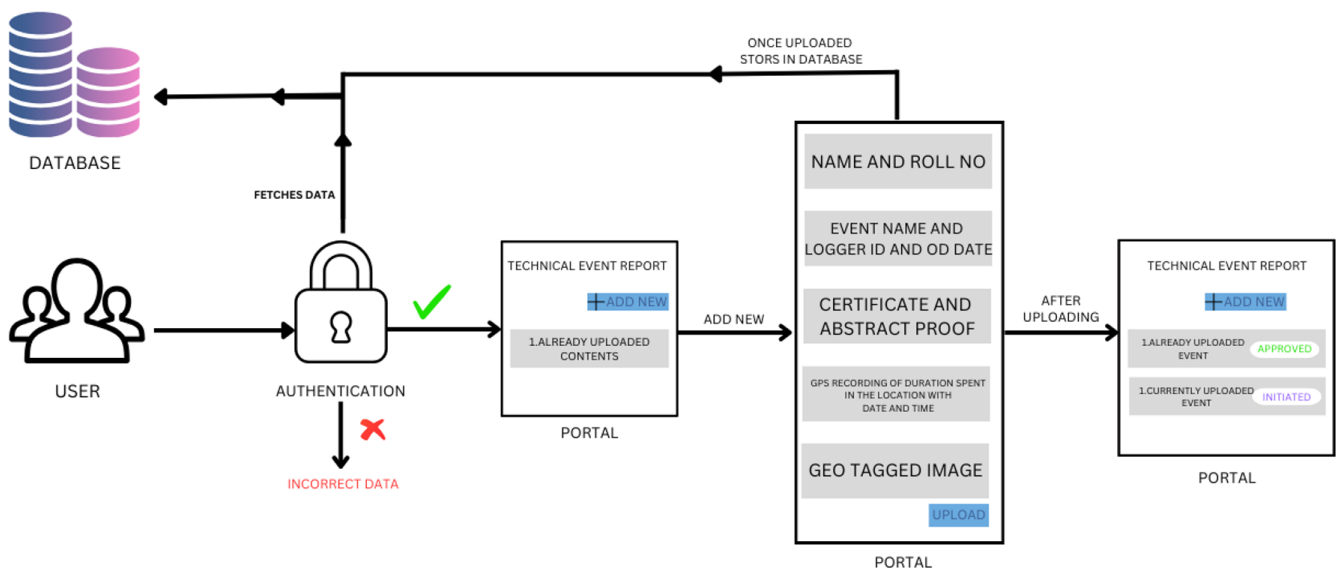
- **Status Updates:**

- Upon approval or rejection by the admin, the status of the participation request will be updated accordingly on the user side, indicating whether it has been approved or rejected.

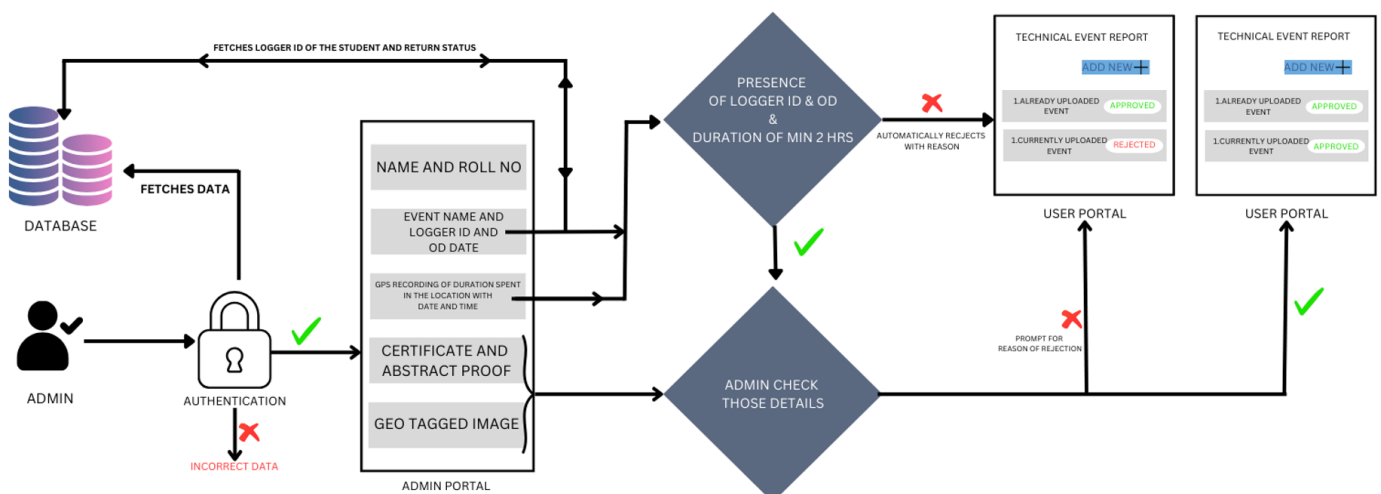
5. ADDITIONAL FEATURES:

- **Logging and Reporting:** The system will maintain logs of all participation requests, including approvals, rejections, and remarks provided by admins, for auditing and reporting purposes.
- **Scalability:** The system will be designed to accommodate a growing number of users and events while maintaining performance and reliability.
- **Security:** Robust security measures will be implemented to protect user data and prevent unauthorized access to the system.


USER SIDE:



ADMIN SIDE:



REGISTER AND LOGIN PAGE:



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INSTITUTE OF TECHNOLOGY
Stay Ahead


TECHNICAL COMPETITON REPORT

EMAIL

PASSWORD

[LOGIN](#)

[CLICK HERE TO REGISTER](#)



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NAME

ROLL NO

EMAIL

PASSWORD

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USER DASHBOARD:

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LOGOUT

ADD EVENT

ROLL NO	EVENT NAME	BATCH/ INDIVIDUAL	LOGGER ID	CERTIFICATE	REMARKS	STATUS
221CS312	HACKFEST	BATCH	ID4731	<u>CS312-HACKFEST</u>	-	INITIATED
221CS312	YUGAM	INDIVIDUAL	ID8739	<u>CS312-YUGAM</u>	INCORRECT LOGGER	REJECTED
221CS312	SIH	BATCH	ID9284	<u>CS312-SIH</u>	-	APPROVED

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NAME

name

BATCH/INDIVIDUAL

batch/individual

IN AND EXIT TIME PROOF

CHOOSE FILE

NO FILE CHOSEN

CERTIFICATE PROOF

CHOOSE FILE

NO FILE CHOSEN

ROLL NO

roll no

EVENT NAME,LOGGER ID,OD DATE

event name and logger id and od date

ABSTRACT PROOF

CHOOSE FILE

NO FILE CHOSEN

GEO TAG

CHOOSE FILE


NO FILE CHOSEN

UPLOAD

ADMIN DASHBOARD:

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ADMIN USERNAME 

LOGOUT

ROLL NO	EVENT NAME	STATUS
7376221CS312	YUGAM	INITIATED
7376221EC328	YUGAM	REJECTED
7376221ME146	HACKFEST	INITIATED
7376221IT212	SIH	INITIATED

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ADMIN USERNAME 

NAME

BATCH/INDIVIDUAL

TIME PROOF

CERTIFICATE PROOF

ROLL NO

LOGGER ID, EVENT NAME,OD DATE

ABSTRACT PROOF

GEO TAG

APPROVE

REJECT

IF REJECTED THEN PROMPT ADMIN :

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ADMIN USERNAME ✓

REASON FOR REJECTION

X

ENTER THE REASON OF REJECTION

OK