EXTERNAL EVENT MANAGEMENT PORTAL

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SEAT NO: 213

PROJECT ID:13

PROBLEM STATEMENT:

The purpose of the project is to add the external events in the portal which helps the student to identify about the event.The portal can be accessed by both thestudent and faculty too. The Adminchecks about the event and approves it.

PROJECT OVERVIEW

The purpose of the project is to add the external events in the portal which helps the student to identify about the event.The portal can be accessed by both the student and faculty too. If the student wants to add the new event in the Portal ,The student can fill in the details about the event in the provided form. The Admin checks about the event and approves it.Once the event approved by the admin ,the automatic Email is sent to both Student and technical members to add the event in the portal. Accepted events are updated in the Dashboard. If the event is rejected by the admin ,the concerned student receives the mail about the event status with remarks.

ADDITIONAL FEATURES:

The portal also helps the faculty members to add the new events and verify the events . Based on the Events it is separated into three categories

- ☑ Level 1
- ☑ Level 2
- ☑ Level 3
- ☑ Others

If the Concern Student doesn't know about the level of the Event , he/she can provide the alternate option to **Others**, the admin verifies the event and provides respective levels to the Event and updates in the portal . If the Event is in the Level 1 and Level 2 Category ,The student wants to apply for an Internal Review Assessment (IRA) in the portal . The portal Sends automatic mail to the Faculty that How many students are applicable for Internal Review Assessment . Then the concerned faculty arranged for the IRA . And the Person who cleares the Some Specified levels in PS Skill depending on the event can only apply for the event .

There is another module for the faculty to provide the marks for the students in IRA based on their Performance,the marks visible only the faculties not for Students.The IRA status can be visible for the students in the Portal.

SCOPE:

The project aims to create a portal allowing students and faculty to add and verify events. It includes features like event approval, email notifications, event categorization, IRA application, PS Skill requirements, and faculty marking for IRA, enhancing event management and student engagement.

STAKEHOLDERS:

Stakeholders include students, faculty, administrators, and technical members involved in event management and assessment processes within the portal.

- **STUDENT:**Helps to identify and also apply for the new Event ,also Apply for IRA
- **FACULTIES:** Helps to add the New Event , add student performance score based on IRA in portal
- **TECHNICAL MEMBERS:**Verify and Check the Event Status.

TECHNICAL REQUIREMENT :

FULL STACK :MEVN

FRONTEND	Vue.js
BACKEND	Node.js with Express.js
DATABASE	MongoDB
API	RESTFul API

PROJECT WORKFLOW:

➔ **PLANNING AND REQUIREMENTS:** Clearly gather requirements from clients and plan according to their needs.

➔ **UI/UX AND PROTOTYPING:** Present an overview of the website to clients, including interfaces, buttons, and user experience. Design can be created using Figma software, facilitating the creation and verification of all UI/UX components with clients.

➔ **FRONTEND:** After obtaining design approval from the client, proceed with the frontend development process. Utilize Vue.js to create an interactive and optimal user experience.

➔ **DATABASE:** Gather student and faculty information and store it in a database for user data authentication. MongoDB can be used for this purpose.

➔ **BACKEND:** Develop the backend to connect the frontend with the database. Ensure user authentication by checking and verifying entered data with the database. Node.js with Express.js can be employed to execute this process effectively.

➔ **API:** REST APIs serve as mechanisms facilitating communication between two software components through a defined set of protocols and definitions.

FUNCTIONAL SPECIFICATION:

USER AUTHENTICATION: Only the students and Faculty from Bannari Amman Institute of Technology with their Bitsathy mail.id can access the Website.And Some of the things can be applicable only to Admin to edit the Information.

EVENT APPLY : Students and Faculty members can apply more events in the portal ,and the automatic Mail Send to concern members about the event status given by the admin.

APPROVEL STATUS: Once the New Event Applied,it will show to the admin the portal , With view and Edit Option ,The Admin checks and Verify the event .Once the Event status is updated it will automatically updated in the Dashboard .If the event is approved ,The event Level alse be uploaded in the portal.

AUTOMATIC MAIL SENDER: Once the event status is updated by the admin ,the automatic mail is sent to the concerned student and faculty about the event status with remarks and as well as sent to the concerned member, to update the event in the Main portal for creating an activity logger.

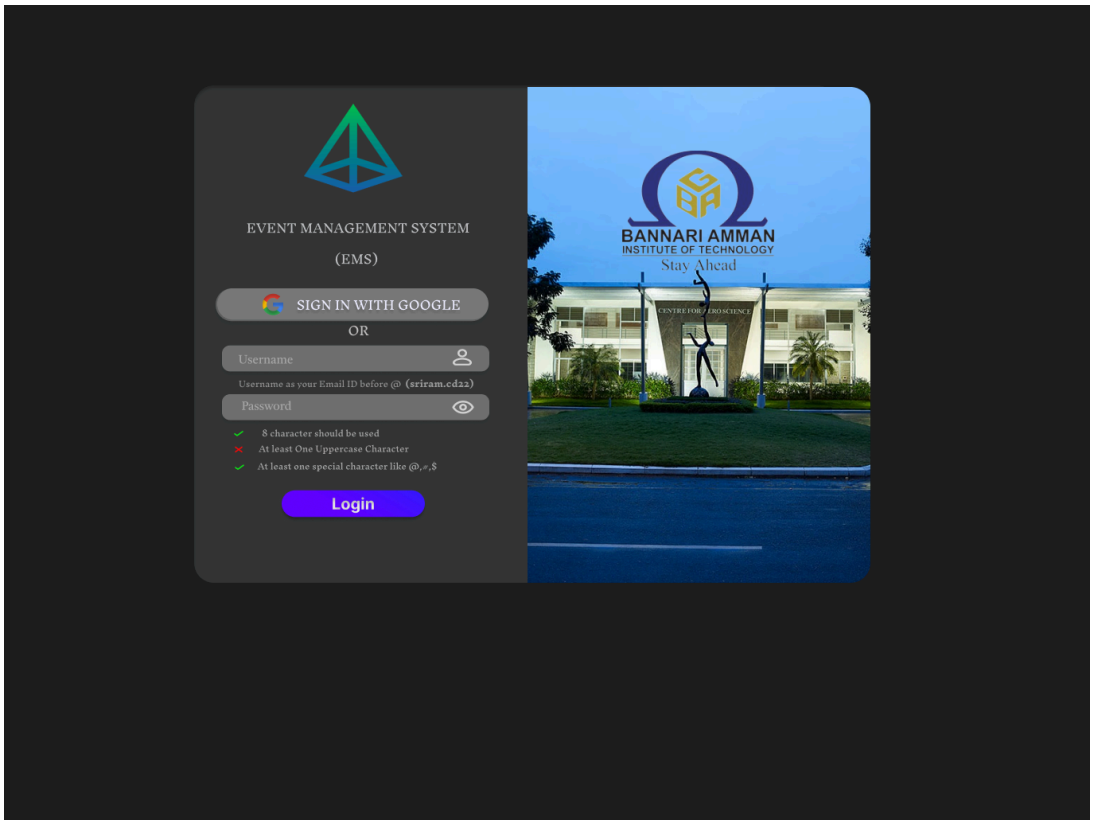
INTERNAL REVIEW ASSESSMENT : If the Event was in Level 1 Category ,the Student must have cleared the IRA to participate in the External Event. Student Can apply the IRA for approved events through the portal.

MARKS PORTAL: The Faculty have access to give marks to the Students based on their IRA performance.Faculty members and Admin have access to edit the information.But Students have only their status without their performance marks.

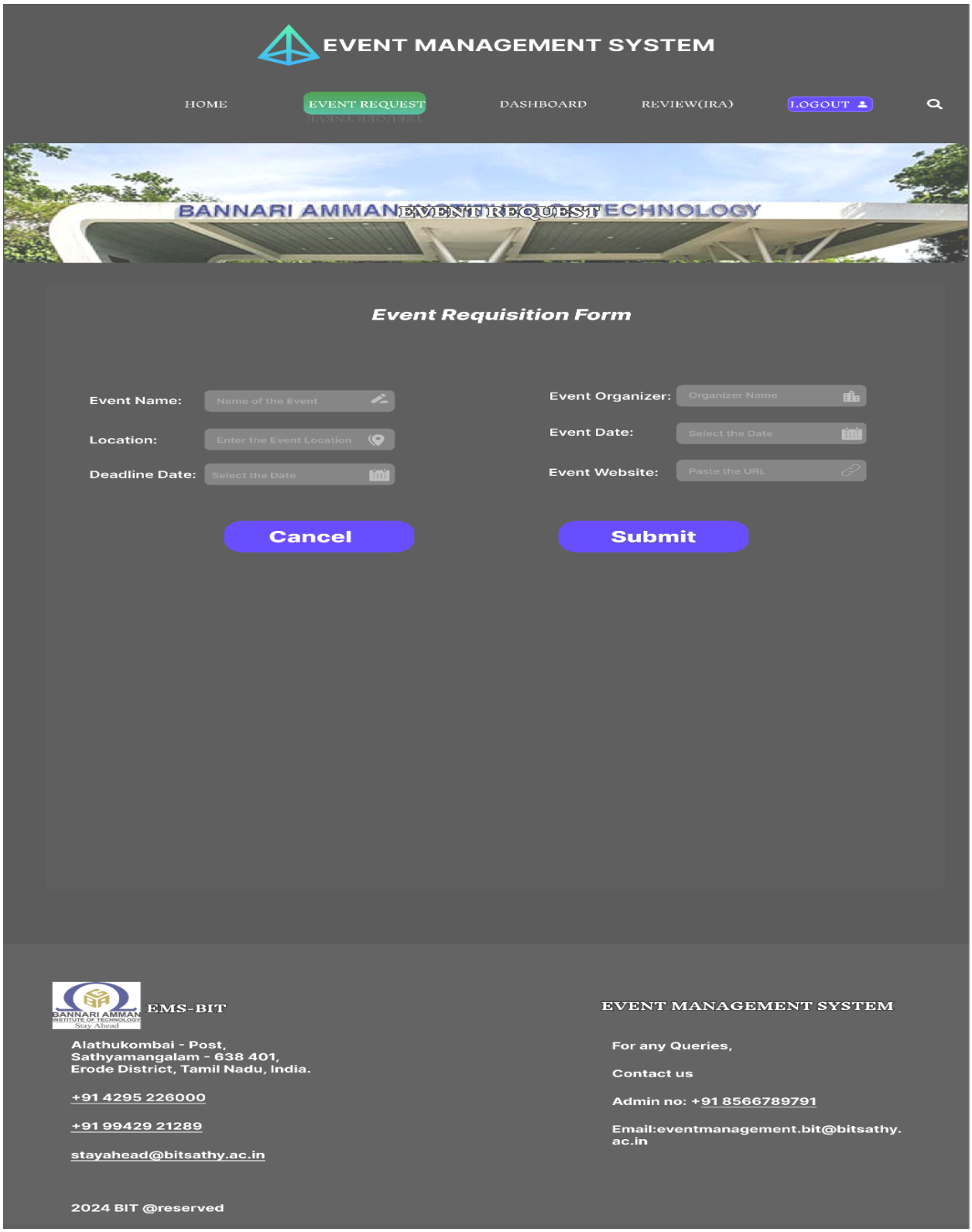
NON FUNCTIONAL REQUIREMENTS:

Non-functional requirements for the system include performance, security, scalability, and usability aspects. The system should ensure fast response times, data encryption for secure user authentication, and the ability to handle increasing user loads without compromising performance. Additionally, it should be intuitive and accessible, catering to users with varying levels of technical proficiency. Compliance with relevant regulations and standards, along with regular backups and disaster recovery mechanisms, are also essential. Overall, the system should prioritize reliability, efficiency, security, and user-friendliness to meet the diverse needs of its users while maintaining high standards of operation.

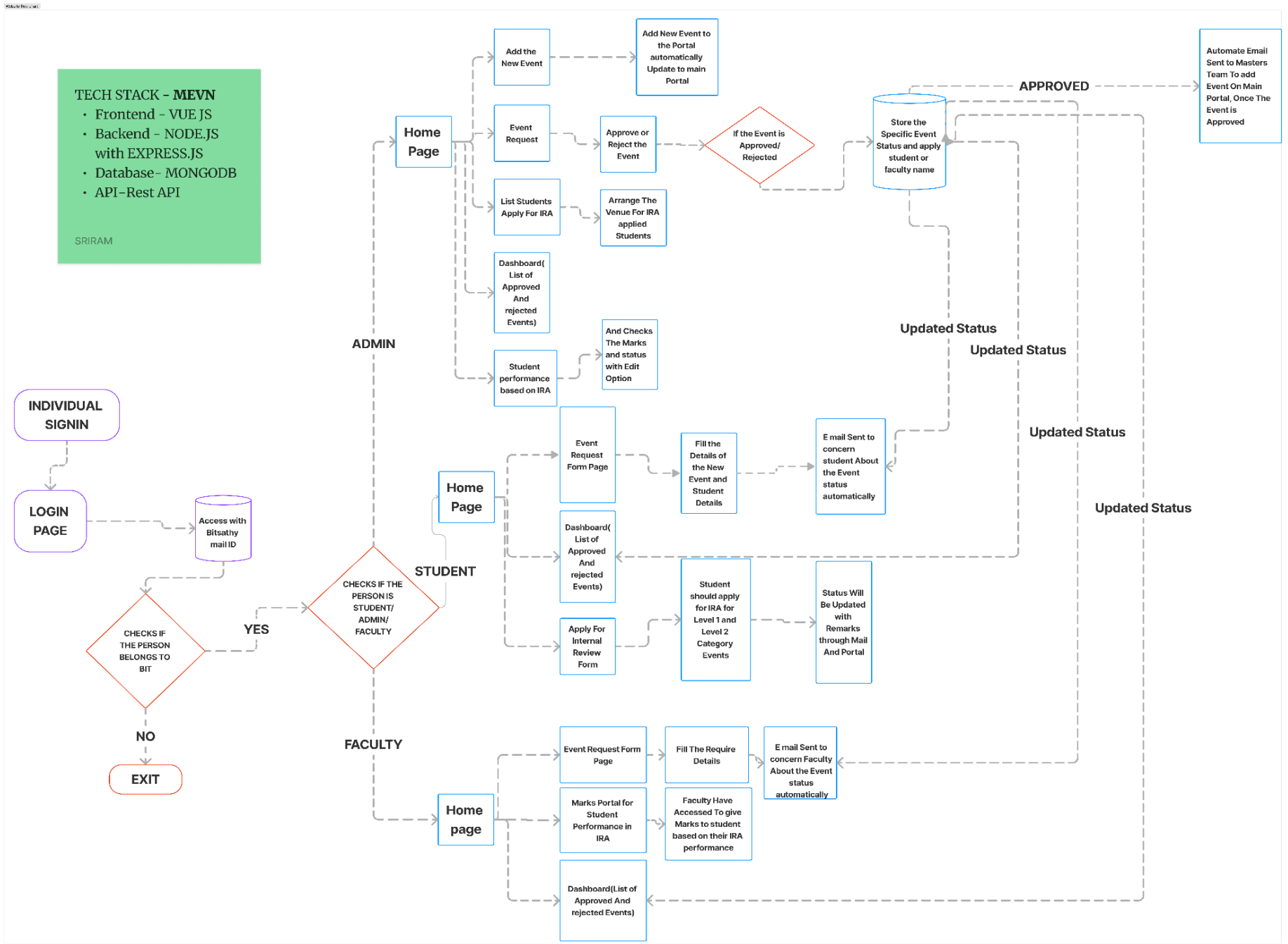
LOGIN PAGE:



EVENT REQUEST:



FLOWCART:


TECH STACK - MEVN
• Frontend - VUE JS
• Backend - NODE.JS with EXPRESS.JS
• Database- MONGODB
• API-Rest API
SRIRAM
INDIVIDUAL SIGNIN
LOGIN PAGE
Access with Bitsathy mail ID
CHECKS IF THE PERSON BELONGS TO BIT
NO
EXIT
YES
CHECKS IF THE PERSON IS STUDENT/ ADMIN/ FACULTY
ADMIN
Home Page
Add the New Event
Add New Event to the Portal automatically Update to main Portal
Event Request
Approve or Reject the Event
If the Event is Approved/ Rejected
Store the Specific Event Status and apply student or faculty name
APPROVED
Automate Email Sent to Masters Team To add Event On Main Portal, Once The Event is Approved
List Students Apply For IRA
Arrange The Venue For IRA applied Students
Dashboard(List of Approved And rejected Events)
Student performance based on IRA
And Checks The Marks and status with Edit Option
Updated Status
Updated Status
Updated Status
Updated Status
STUDENT
Home Page
Event Request Form Page
Fill the Details of the New Event and Student Details
E mail Sent to concern student About the Event status automatically
Dashboard(List of Approved And rejected Events)
Apply For Internal Review Form
Student should apply for IRA for Level 1 and Level 2 Category Events
Status Will Be Updated with Remarks through Mail And Portal
FACULTY
Home page
Event Request Form Page
Fill The Require Details
E mail Sent to concern Faculty About the Event status automatically
Marks Portal for Student Performance in IRA
Faculty Have Accessed To give Marks to student based on their IRA performance
Dashboard(List of Approved And rejected Events)