

SOFTWARE REQUIREMENT SPECIFICATION FOR EXTERNAL EVENT MANAGEMENT PORTAL

STUDENT NAME: VARSHA K

SEAT NUMBER: 373

PROJECT ID: 13

PROJECT TITLE: EXTERNAL EVENT MANAGEMENT PORTAL

TECHNICAL COMPONENTS:

COMPONENT	TECH STACK
BACKEND	NODE JS , EXPRESS JS
FRONT END	NODE JS
DATA BASE	MONGODB
API	OPEN API

PROBLEM STATEMENT:

Developing a specialized platform enabling students and faculty to submit and approve external events. It should include an IRA portal for technical reviews of proposals. Students must have transparent access to approved event lists and details of students who successfully cleared the IRA.

PROJECT - FLOW:

Purpose:

To develop a centralized event management portal that efficiently manages the registration , approval , rejection and addition of new events in the portal so that the students could register to the approved events appropriately without any confusion . It also resolves the problem of multiple students registering for the same event (Which are under category 1, 2,3) through the clearance of IRA.

Scope:

The scope of the specialized platform includes user registration and authentication, event submission form, IRA portal for technical reviews, event approval/rejection mechanism, event management features, transparent access to approved events and IRA clearance, reporting and analytics, notifications, user-friendly interface, and scalability. Students and faculty members can submit event proposals, while the administrator reviews and approves/rejects them. Approved events and IRA-cleared students' details

are accessible. The platform ensures transparency, efficiency, and user-friendliness in the event submission and approval process.

Business context:

The specialized platform caters to a BIT institution, streamlining event submission and approval. It promotes collaboration and academic engagement by providing transparency, efficiency, and user-friendly access to approved events and IRA-cleared students' details.

Consideration:

- All users possess active Google accounts for authentication.
- Users have regular access to internet-enabled devices.
- A streamlined workflow that allows for efficient event proposal submission, review, and approval processes.

Dependencies :

- **User Database:** A reliable and secure user database is required to store user registration and authentication information.
- **Database Management System:** A database management system is needed to store and manage event submission data, IRA assessment results, approved events, and user details.
- **Notification System:** The platform relies on a notification system to send timely notifications to users regarding approval/rejection decisions, and IRA clearance.
- **Analytics and Reporting Tools:** Integration with analytics and reporting tools is necessary to generate event-related statistics and insights for administrators to evaluate the effectiveness of the platform.

User Personas:

1)Students:

- They can register events they are aware of.
- They can apply for IRA for specific events.

2)Admin:

Faculty(activity masters):

- They can add new events to the platform along with the approved events.

Faculty (Domain Expert):

- They manage the research of registered events and approve the events which are beneficial to the students.

IRA Assessment Conducting Staff:

- They assess the students and select appropriate students for specific events based on their IRA assessments.

User stories:

- As a student I wish to attend the events which are not in the portal so if they add the other events opted by the students it would be easy for us to attend the events which we could opt for.
- As a special lab faculty I would like to send the student with specific skill to attend the event effectively and to win the prize.

Functional requirements:**1) User Registration and Authentication:**

Users (students, faculty members, and admin) should be able to register and authenticate themselves on the platform.

2) Event Submission Form:

Students and faculty members should have access to an event submission form to propose external events.

3) Event Approval/Rejection Mechanism:

The admin should review event proposals and have the ability to approve or reject them based on certain criteria and domain expertise suggestions.

Students should be able to view a list of approved events on the platform.

4) IRA Portal for Technical Reviews:

The platform should include a dedicated IRA portal where IRA assessment conducting staff can conduct technical reviews of event proposals.

Students should be able to access information about the Internal Review Assessment (IRA) result.

5) Notifications:

The platform should send notifications to users to inform them about the status of event proposals, event approvals/rejections, and IRA assessments.

Non Functional Requirements:**1) Scalability:**

The platform should be designed to handle a growing number of users, event proposals, and IRA assessments while maintaining optimal performance.

The platform should provide event management features for admin to add, edit, and manage approved events.

2) Privacy and Data Security:

The platform should ensure the privacy and security of user data, including event proposals, IRA assessment results, and personal information.

FLOW DIAGRAM:

