BANNARI AMMAN INSTITUTE OF TECHNOLOGY

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Project ID:	13
Project title:	External Event Management System

Technical Components

Component	Tech Stack
Backend	Django
Frontend	HTML, CSS, JS
Database	MySQL
API	Open API, SOAP APIs, REST Ful API

PROBLEM STATEMENT:

Build a specialized platform for facilitating the submission and approval of External Events proposed by students and faculty members, including an Internal Review Assessment (IRA) portal for conducting the technical reviews of event proposals. Students should have transparent access to both the list of approved events and the details of students who have successfully cleared the Internal Review Assessment (IRA).

PROJECT-FLOW:

Purpose:

The purpose of this project is to create a specialized platform to streamline the submission and approval

process for external events proposed by students and faculty members within BIT. Additionally, the platform includes an Internal Review Assessment (IRA) portal to conduct technical reviews of event proposals. The key objectives are efficiency, transparency, centralization, quality control, and improved communication.

Scope:

The scope of this project involves developing a platform for facilitating the submission and approval of external events proposed by students and faculty members. It includes features such as an event submission system, approval workflow, Internal Review Assessment (IRA) portal, transparency features, administrative dashboard, security measures, and documentation materials. The platform aims to streamline the process, ensure transparency, and improve communication among stakeholders

Business Context:

The External Event Management System is aimed at enhancing communication clarity and timeliness across BIT, thus boosting organizational efficiency by minimizing scheduling conflicts. Primary stakeholders include students, faculty members and administrative staff

Consideration:

- All users possess active Google accounts for authentication (Single Sign in).
- Users have regular access to internet-enabled devices.

Dependencies:

- Integration with Google OAuth for user authentication.
- Database of the Student, Faculty and admin staff.

User personas:

- **Student:** Request for applying External Event and apply for Internal Review Assessment (IRA) for the approved events.

- **Faculty:** Requests for applying External Event and Also evaluate Students based on the performance in IRA

- **Admin Staff:** Manages system operations, resolves conflicts, and approve events and sort out the selected students and they can participate in an event and also appoint faculty for IRA.

Functional Requirements:

- **User Authentication:** Secure login using Google OAuth.

- **External Event Request Form:** Users input event content, scheduling time, category, and recipients.

- **Internal Review Assessment:** User register for the approved events for internal review and faculty evaluate them.

- **Dynamic Dashboard:** Real-time schedule viewing.

- **Priority Algorithm:** Automated prioritization of communications based on rules.

FLOW CHART OR Project Flow: