

AUDITORIA

A Comprehensive Student Auditorium Availability and Booking System

Department of CSE
Academic Year 2024–25

Team

- B.Harini : N200504
- V.Lakshmi Likhitha : N200519
- M.Neeraja : N200515
- Bhargavi : N200279
- P.Abhikya Pranay : N200893

Problem Statement

- No proper information about scheduled and completed events.
- Lack of a unified platform for managing academic and non-academic event resources.
- Absence of a system to collect student interests and feedback on conducted events.
- No real-time communication channel for students to ask questions or seek clarifications.
- Inadequate attendance tracking and management.

Objectives of the Project

- Create a centralized platform for all types of college events.
- Provide categorized event listings (academic / non-academic).
- Enable polls before and feedback after events.
- Send automated email reminders at various stages.
- Use QR-based system for attendance.
- Facilitate live doubt sessions.
- Implement seat booking and crowd management.
- Provide access to session recordings.

Technology Stack

- **Frontend:** React.js, Material-UI
- **Backend:** Node.js + Express.js
- **Database:** MySQL
- **API Layer:** Axios

System Architecture

- **Microservices Design:**

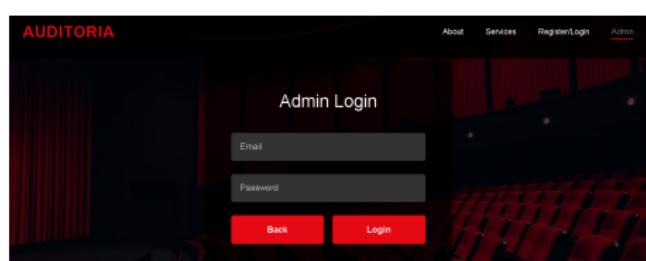
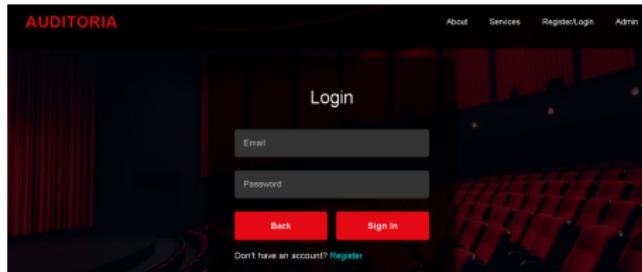
- User Authentication
- Academic / Non-Academic Events
- Student Profile (Polls & Feedback)

- **API Bridges:**

- Authentication, Event, Attendance, and Real-time Bridges
- Each service uses a dedicated MySQL database.

User Authentication Service

- Secure Login / Registration
- Role-based Access Control
- JWT Token Authentication
- Session Management



Academic Events

- Event Creation and Registration
- QR-based Attendance Tracking
- Event Reminders and Management

The screenshot shows the 'Upcoming Events' section of the application. It features a search bar and a filter button. Below the search bar, there are two event cards:

- Gate Strategies 2026**
Date: 25/05/2025
Time: 11:30 PM
Location: SAC Auditorium
Status: **REGISTERED**
Session Link: Not yet added
- Hackathon**
Date: 30/05/2025
Time: 9:00 AM
Location: SAC
Status: **REGISTERED**
Session Link: Not yet added

1:59 AM (6 minutes ago) star edit more

Auditoria <auditoria@auditoria.com>
to me ▾

Hi N200504,

A new event has been added. Here are the details:

- Title: Hackathon
- Description: 24/7 Hackathon
- Date: 2025-05-30
- Time: 09:00
- Venue: SAC

Non-Academic Events

- Movie Listings
- Seat Booking & Ticket Generation
- Booking Management

The screenshot shows a dark-themed web application for managing non-academic events. At the top, there's a navigation bar with links for About, Services, Academic Events, Non-Academic Events, Logout, and a user profile icon.

The main content area displays two event cards side-by-side:

- HANUMAN**
A playful act.
Date: 31/05/2025
Venue: SAC Auditorium
1 time slots available
- salar**
Salar
Date: 05/05/2025
Venue: SAC Auditorium
2 time slots available

Each card has a red "VIEW TIME SLOTS" button at the bottom.

Seat Booking Interface

MOVIE SEAT SELECTION

Fill The Required Details Below And Select Your Seats

Page 7

Number of Seats

External email

2

Selected Seal

Resened Seal

Empty Seal

1 2 3 4 5 6 7 8 9 10 11 12

Ticket



TICKET CONFIRMED

HANUMAN

DATE	TIME
31/05/2025	09
SEATS	EMAIL
A5, A6, A7	n200509@rguktn.ac.in
BOOKING ID	
#12	

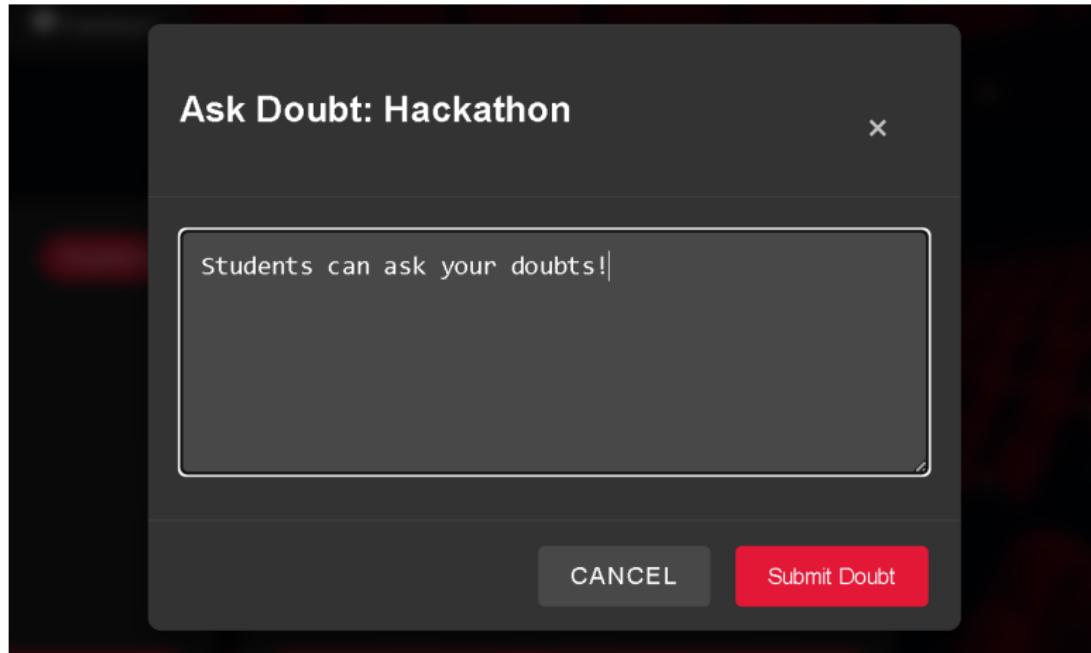
[VIEW MY BOOKINGS](#) [CLOSE](#)

Student Profile

- Personal Info and Attendance
- Event History and Feedback

The screenshot shows a dark-themed web application for 'AUDITORIA'. At the top, there's a navigation bar with links for 'About', 'Services', 'Academic Events', 'Non-Academic Events', 'Logout', and a user icon. Below the header, a red circular profile icon with a white person icon is displayed next to the greeting 'Hi, N200504' and the email 'n200504@rguktn.ac.in'. A row of three buttons labeled 'My Bookings', 'Polling', and 'Feedback' is visible. The main content area is titled 'My Bookings' and features two event cards. The first card is for 'Hackathon' with a status of 'Registered'. It includes details: '24/7 Hackathon', '30/5/2025', and '09:00:00'. The second card is for 'Gate Strategies 2026' with a status of 'gate'. It includes details: '28/5/2025' and '23:57:00'. The background of the page shows a blurred image of a theater or auditorium with red seats.

Query Interface



AUDITORIA

 My Bookings

 Polling

 Feedback

Event Polls

Alumni Interaction

Poll Reacted

Interaction session with seniors.

Feedback Interface

My Bookings

Polling

Feedback

Event Feedback

Gate Strategies 2026

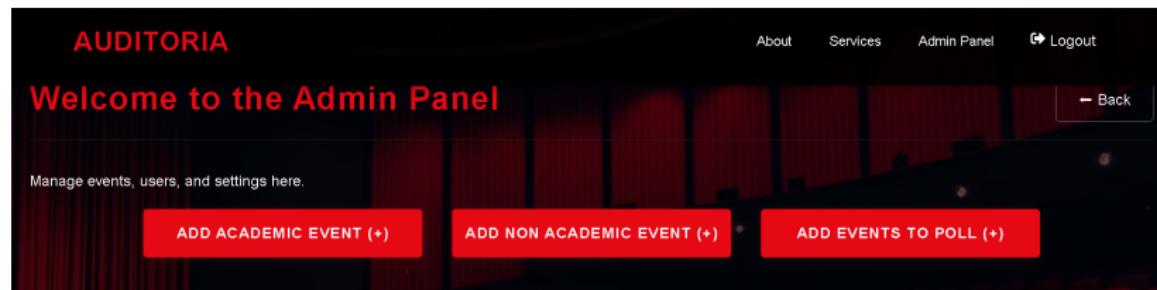
Attended

Feedback about the meeting!

Submit Feedback

Admin Features & Content Approval

- Content Review, Edit/Delete Control
- QR Code Generation
- Reminder Mail Management
- Monitor Live Questions



Admin Interface

ACADEMIC EVENTS

Gate Strategies 2026

Date: 28/05/2025
Time: 11:57 pm
Location: SAC Auditorium
gate

MANAGE ATTENDANCE
Generate QR

SHOW DOUBTS **SEND NOTIFICATION**

Hackathon

Date: 30/05/2025
Time: 9:00 am
Location: SAC
24/7 Hackathon

MANAGE ATTENDANCE
Generate QR

SHOW DOUBTS **SEND NOTIFICATION**

NON-ACADEMIC EVENTS

HANUMAN

Date: 31/05/2025
Venue: SAC Auditorium
A playful act

DELETE

salaar

Date: 05/05/2025
Venue: SAC Auditorium
Salar

DELETE

Advantages / Impact

- Centralized college event platform
- Accurate info and reminders
- Peer information sharing
- QR-based attendance tracking
- Improved engagement and transparency
- Real-time updates and notifications
- Faculty workload reduction
- Available on web anytime

Future Scope (Extended)

- **Mobile App Development**
 - iOS/Android native apps
 - Offline event browsing
- **Advanced Poll Analytics**
 - Sentiment and trend analysis
- **Calendar Integration**
 - Sync with Google/Outlook

Conclusion

- Developed a centralized and useful event management platform.
- Simplified communication and attendance tracking.
- Solved key technical and coordination challenges.
- Ready for future enhancements like mobile apps and analytics.