



# BANNARI AMMAN INSTITUTE OF TECHNOLOGY

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Sathyamangalam - 638401 Erode District, Tamil Nadu, India

**Student Name:** Karthi P

**Seat No:** 240

**Project ID:** 40

**Project title:** Group Discussion Slot Booking System

## Technical Components

Components	Tech Stack
Backend	Node.js with Express.js
Frontend	Vue.js
Database	MongoDB
API	RESTful services

## Implementation Timeline

Phase	Deadline	Status	Notes
Stage 1	May-2-2024	In progress ▾	Planning and Requirement gathering
Stage 2		Not Started ▾	Design and Prototyping
Stage 3		Not Started ▾	Database Designing
Stage 4		Not Started ▾	Backend Implementation
Stage 5		Not Started ▾	Testing & Implementation

## **PROBLEM STATEMENT**

The college's Placement and Training Department conducts essential activities like group discussions and mock interviews for student placement readiness. To streamline these processes, an online platform is needed for efficient slot bookings and participant evaluations.

- **Slot Management:** Design a system for the Placement and Training Department to create slots with specific dates, times, and participant limits for GD, mock interviews, and self-introduction sessions, automatically disabling slots upon booking to prevent overbooking.
- **Registration Process:** Create a user-friendly registration process allowing students to easily sign up for available slots, capturing essential information such as name, student ID, and preferred session type.
- **Dashboard for Department:** Design a dashboard for the Placement and Training Department to oversee slot bookings, participant data, and session performance, offering insights into registration trends, demographics, and feedback.
- **Participant Performance Tracking:** Implement a performance evaluation feature enabling the department to assess student performance across sessions, incorporating metrics like participation, communication skills, and interview feedback.

## **PROJECT-FLOW**

### **Purpose:**

The purpose is to streamline the management of placement activities by automating slot bookings, enhancing student engagement through user-friendly registration processes, providing valuable insights through performance tracking, and facilitating informed decision-making with comprehensive dashboards.

### **Scope:**

The scope encompasses designing and implementing an online platform for the Placement and Training Department to manage slot bookings, registration processes, and performance evaluations for placement activities, ensuring user-friendliness, data security, and scalability.

### **Business Context:**

The goal is to develop an online platform tailored for the college's Placement and Training Department, focusing on automating slot bookings, registration processes, and performance evaluations to optimize placement activities and enhance student readiness for job placements.

## **Considerations:**

Users have regular access to internet-enabled devices.

## **Dependencies:**

- Integration with the college's existing student database system to retrieve and verify student information.
- Utilization of a reliable internet service provider to ensure continuous access to the online platform.
- Collaboration with the college's IT department for technical support and infrastructure maintenance.

## **User personas:**

- Student: Needs an up-to-date schedule to effectively plan activities.
- Admin Staff: Manages system operations, resolves conflicts, and updates feedback.

## **User Stories:**

- As a student, I want to access an up-to-date schedule on the platform to effectively plan my activities.
- As admin staff, I need to manage system operations, resolve conflicts, and update feedback for efficient platform management.

## **Functional requirements:**

**User Authentication:** The system must authenticate users based on their roles (student or admin staff) using college email accounts.

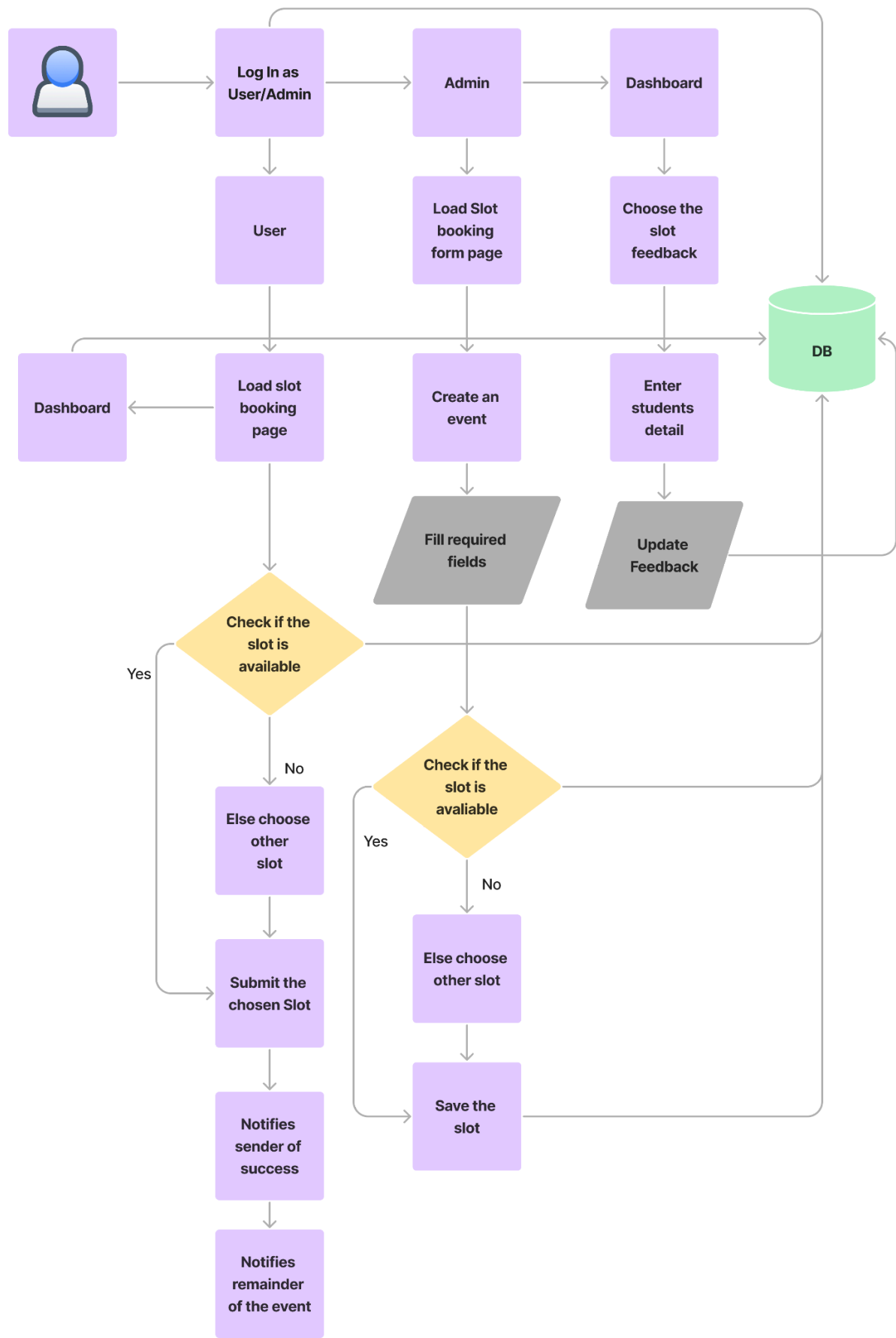
**Slot Booking:** Students should be able to view available slots for group discussions, mock interviews, and self-introduction sessions and book them accordingly.

**Schedule Management:** Admin staff should have the capability to create, modify, and delete slots, ensuring an up-to-date schedule for students.

**Participant Registration:** Students must provide essential information such as name, student ID, and preferred session type during registration for accurate tracking.

**Performance Evaluation:** Admin staff should be able to evaluate student performance across sessions, including metrics such as participation level, communication skills, and interview feedback.

**Flow Chart:**



ER-Diagram:

