BANNARI AMMAN INSTITUTE OF TECHNOLOGY
An Autonomous Institution Affiliated to Anna University - Chennai, Accredited by NAAC with A+ Grade
Sathyamangalam - 638401 Erode District, Tamil Nadu, India

Student Name:ABDUL SATHAR A

Seat No:121

Project ID:01

Project title: Placement Registration Form

Technical components

Component	Tech Stack
Backend	Django
Frontend	HTML, CSS, JavaScript
Database	MYSQL
API	OPEN API

Implementation Timeline

Phase	Deadline	Status	Notes
Stage 1	-	In progress	Planning and Requirement gathering
Stage 2	-	Not started	Design and Prototyping
Stage 3	-	Not started	DB Designing
Stage 4	-	Not started	Backend Implementation
Stage 5	-	Not started	Testing & Implementation

PROBLEM STATEMENT:

The decentralized nature of job placement registration within educational institutions presents numerous challenges, such as:

- **Job Posting Management System**: Facilitate the creation, updating, and viewing of job postings by authorized personnel with specific criteria and eligibility requirements.
- **Eligibility Verification System:**Automatically verify student eligibility for job applications based on up-to-date academic records and predefined job criteria.
- **Academic Record Management:**Allow for the regular updating of student academic details in a secure and accessible manner.
- **Placement and Re-Application Control System:** Implement and manage restrictions on students who have been successfully placed in a job from applying to additional opportunities, in order to distribute opportunities fairly among all students.

PROJECT-FLOW:

Purpose:

To establish a systematic and effective system for managing placement and jobs within a forum, the focus will be on facilitating communication between eligible students, the placement cell, and companies. This will help in organizing student and placement cell schedules and activities efficiently while ensuring timely updates from the companies. The primary goal of this endeavor is to address existing issues related to scheduling conflicts and communication discrepancies.

Scope:

This system comprises user authentication, student information update form, company availability forum, student status verification, and a real-time dashboard for monitoring and organizing schedules. It also features administrator authentication, company information update form, student status modification, graphical representation of company and student data, and a real-time dashboard for monitoring and organizing schedules.

Business Context:

The centralized placement registration system aims to improve scheduling clarity and efficiency throughout BIT , thereby enhancing organizational effectiveness through the reduction of scheduling conflicts. Key stakeholders involved are students, faculty, administrative staff, and partnering companies.

Consideration:

- **Data Accuracy** : Implement mechanisms to verify and validate the accuracy of academic details submitted by students.This could involve integration with official databases or manual verification processes.
- **Scalability** : Design the platform to accommodate a growing number of users, companies postings, and data entries.Consider Scalability in terms of server capacity, database management, and system performance.
- **Communication** : Establish clear communication channels between students, employers, and administrators.Provide timely notifications, feedback, and support throughout the application and hiring process.

Dependencies:

- **Technical Infrastructure:**The project relies on a robust technical infrastructure, including servers, databases, and networking components, to host the placement posting platform, manage student data securely, and ensure smooth functionality.

- **Integration with Educational Institutions**:To update students academic details regularly, there needs to be integration with educational institutions databases or systems.This may require cooperation and support from the institutions .

User personas:

- **Student:** Requires a up-to-date schedule to efficiently organize their activities.
- **Faculty**: Needs to efficiently handle student updates, company updates, and announcements.
- **Admin Staff**: Oversees system operations, resolves conflicts, and verifies information.

User Stories:

- As a student, I desire to access a consolidated timetable of my interviews and events in order to efficiently plan my day.
- As a faculty member, it is imperative for me to guarantee that the company's outreach to students does not clash with their other prearranged commitments.

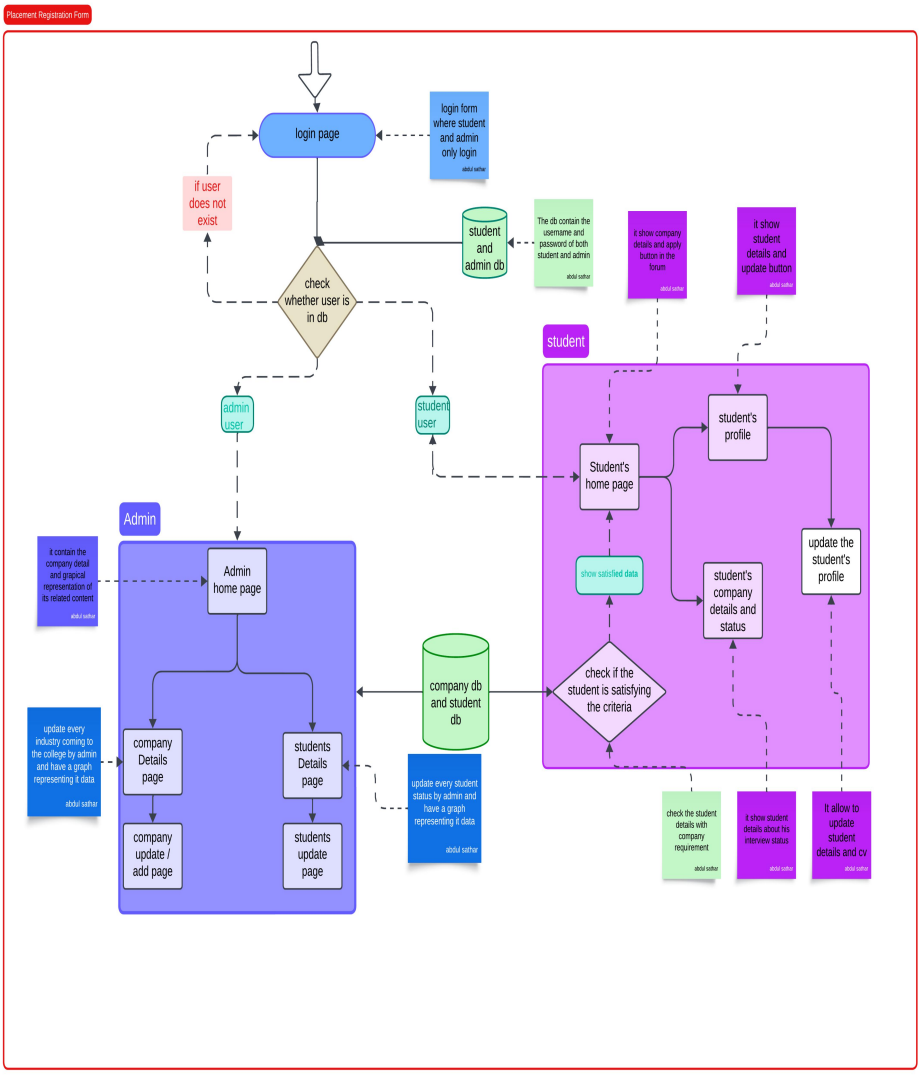
Functional Requirements:

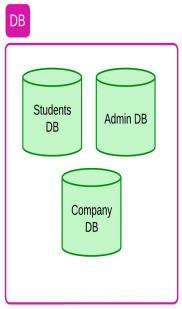
- **User Authentication and Authorization :** Secure login processes for students and administrative staff with different access rights.
- **Reporting and Analytic** : Generate reports on job placements, application statuses, and student eligibility statistics.
- **Dynamic Dashboard :** Real-time schedule viewing and interaction.
- **Data Security and Privacy** : Ensure all student data is handled in compliance with relevant data protection regulations.

Website outline

Project Details

Project ID	Module Name	Module Description	Domin
1	Placement Registration Form	Job role will be posted in the forum. Only Eligible students may apply for it. Students academic details should be updated on a regular basis. Constraints need to be framed for Placed students in applying for second job opportunity	T&P

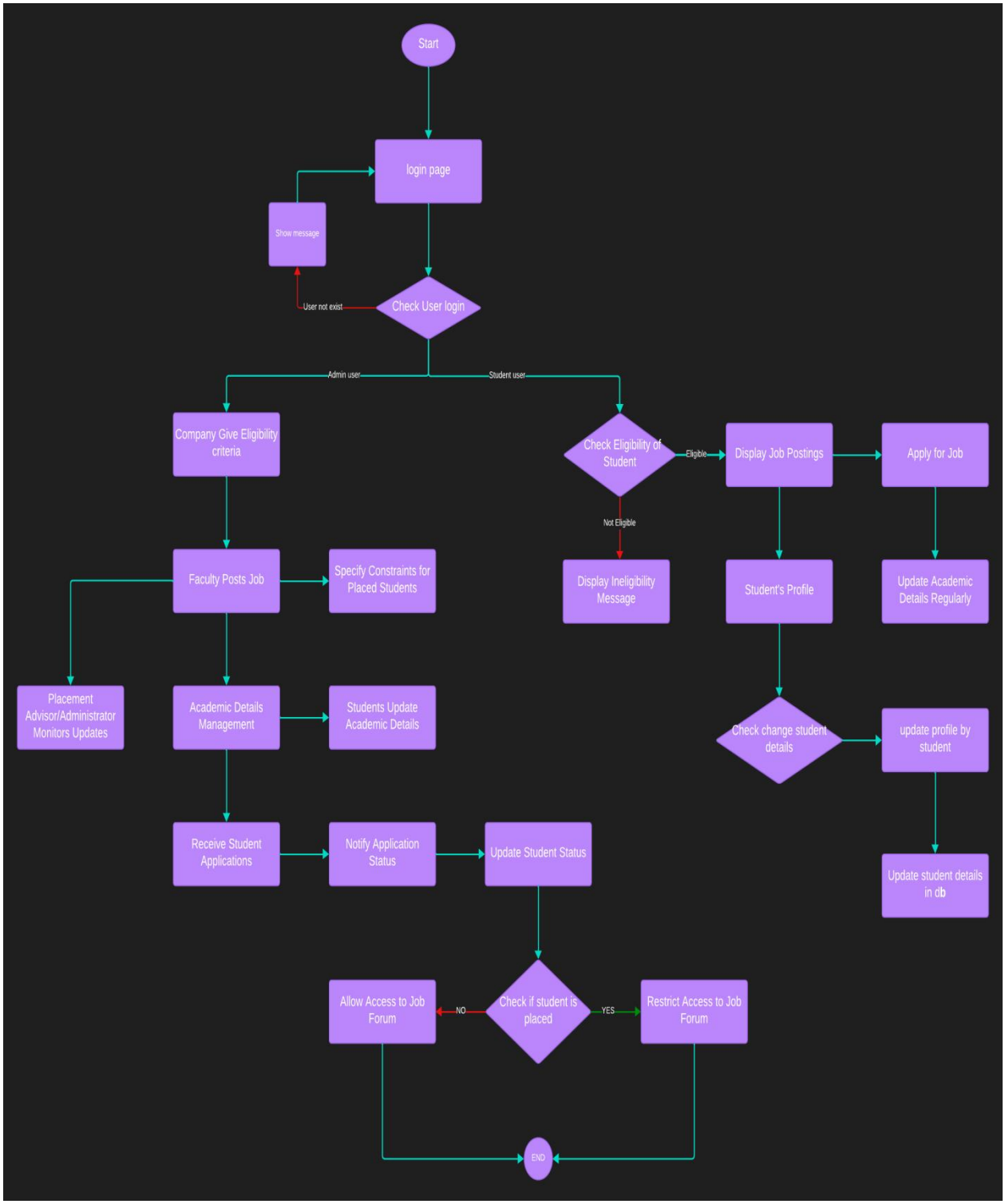




Full Stack Components

Front end - HTML , CSS ,JavaScript
Back end - Django
Data Base - MySql
API - openAI

Flow chart


Start
login page
Show message
User not exist
Check User login
Admin user
Student user
Company Give Eligibility criteria
Check Eligibility of Student
Eligible
Display Job Postings
Apply for Job
Not Eligible
Faculty Posts Job
Specify Constraints for Placed Students
Display Ineligibility Message
Student's Profile
Update Academic Details Regularly
Placement Advisor/Administrator Monitors Updates
Academic Details Management
Students Update Academic Details
Check change student details
update profile by student
Receive Student Applications
Notify Application Status
Update Student Status
Update student details in db
Allow Access to Job Forum
NO
Check if student is placed
YES
Restrict Access to Job Forum
END