



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

SOFTWARE REQUIREMENT SPECIFICATION

NAME	AROCK STEJU T
ROLL NUMBER	7376222AD115
PROJECT ID	03
SEAT NO	03
MODULE NAME	PLACEMENT RECORD
STACK ALLOCATION	PYTHON STACK(AI)

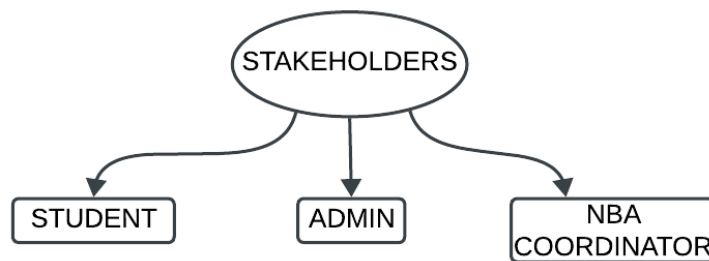
TECHNICAL COMPONENTS:

FRONTEND	HTML, CSS, JS
BACKEND	Python, Django
DATABASE	PostgreSQL, MySQL
API	OpenAI

1. Introduction:

1.1. Purpose:

The purpose of the project is to create a centralized forum where students can upload internship and job offer letters for efficient access by Training and Placement Officers(Admin) and NBA coordinator. This aims to streamline document management, enhance stakeholder communication, facilitate data analysis for placement outcomes, and provide automated notifications for document uploads, ultimately improving the overall efficiency during the NBA visits.



1.2. Scope Of The Project:

1.2.1. Document Upload & Management:

- Students upload their internship and job offer letters onto the centralized forum. Developing a user-friendly interface for easy document submission.

1.2.2. Stakeholder Access & Analysis:

- Training and Placement Officers (Admin) can access, analyze, and derive insights from the uploaded placement documents, ensuring efficient oversight of student placements.

1.2.3. Verification & Compliance:

- Implementation of verification process for Training and Placement Officers to review and authenticate the uploaded offer letters, ensuring compliance and accuracy.

1.2.4. PDF Compilation & Retrieval:

- Developing functionality to compile placement proof documents into a single PDF for specific batches, with the ability for the Admin and NBA coordinator to retrieve these compilations for analysis and reporting purposes.
- Developing functionality to open the whole data file in the sheets when needed for easy access and retrieval.

1.2.5. Automated Notifications & Reminders:

- Automated notifications to prompt students for timely upload of offer letters and informing stakeholders of new document uploads or pending tasks for review, enhancing overall efficiency and engagement.

2. System Overview:

2.1. Users:

2.1.1. Students:

- Ability to submit internship and job offer letters to the centralized forum.
- Monitor the status of their submitted documents and interaction history.
- Receive notifications for document submission and status updates.
- Option to resubmit documents if they are rejected by Admin.

2.1.2. Training And Placement Officers:

- Review the submitted offer letters for accuracy and compliance.
- Access to analytical dashboards for placement oversight and trend analysis.

2.1.3. NBA Coordinator:

- Access to an analytics dashboard and approved data table for viewing submitted offer letters, placement statistics, success rates, and historical data.

2.2. Features:

2.2.1.Login and Authentication:

- Students can login with existing credentials.
- Admin and NBA coordinators can only login through google using bitsathy mail id.

2.2.2.Document Upload:

- Students can upload internship and job offer letters, providing details such as number of offers, batch, and necessary details asked.

2.2.3.Document Status:

- Students can view the status of their uploaded documents whether it is approved or rejected by the admin.

2.2.4.Automated Notifications:

- Automated reminders to prompt students for timely upload of offer letters and notifications for document approval/rejection.

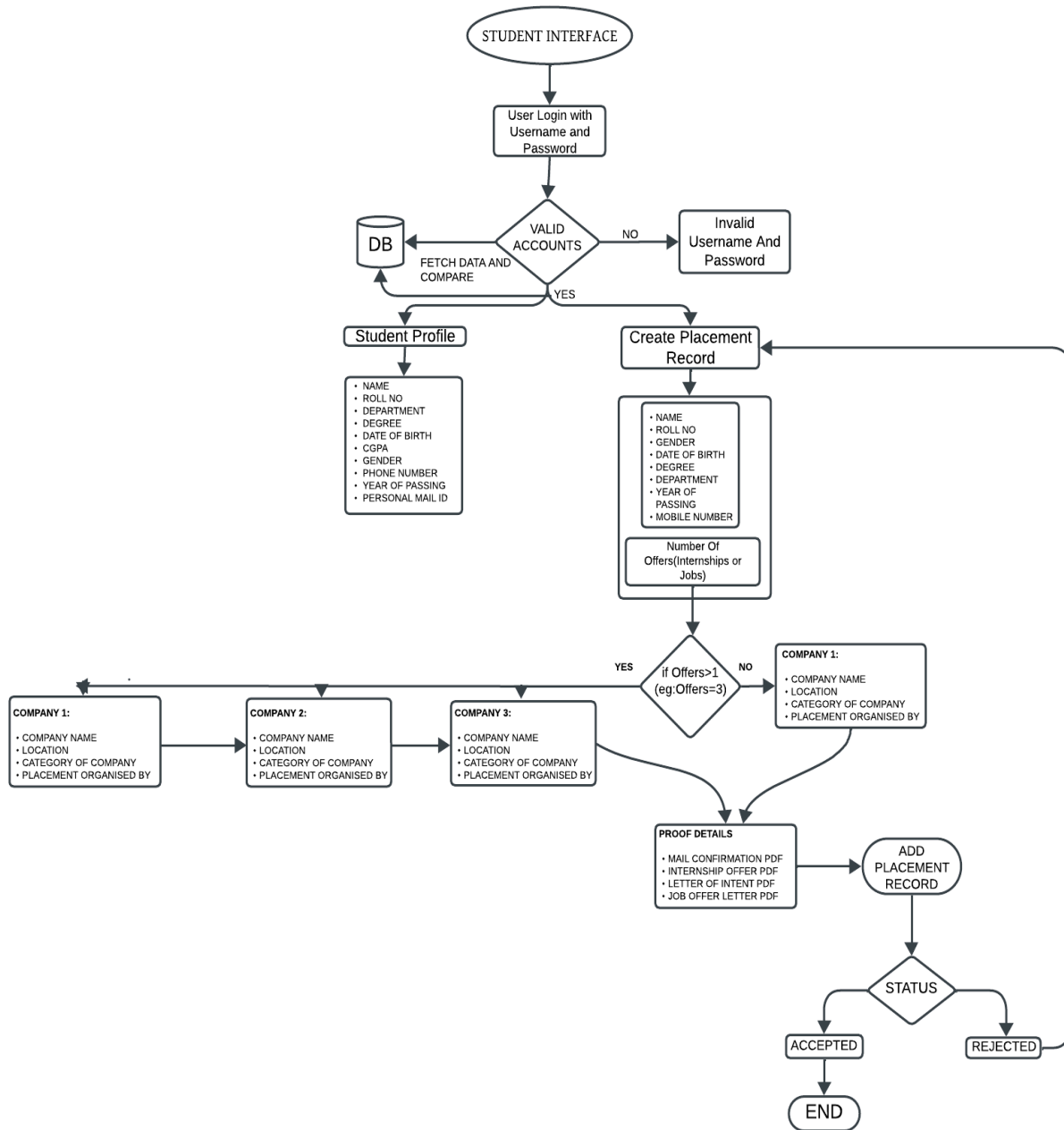
2.2.5.Admin Access:

- Admins can view all submitted documents, view the details, approve or reject the documents, and provide suitable remarks for rejected documents.

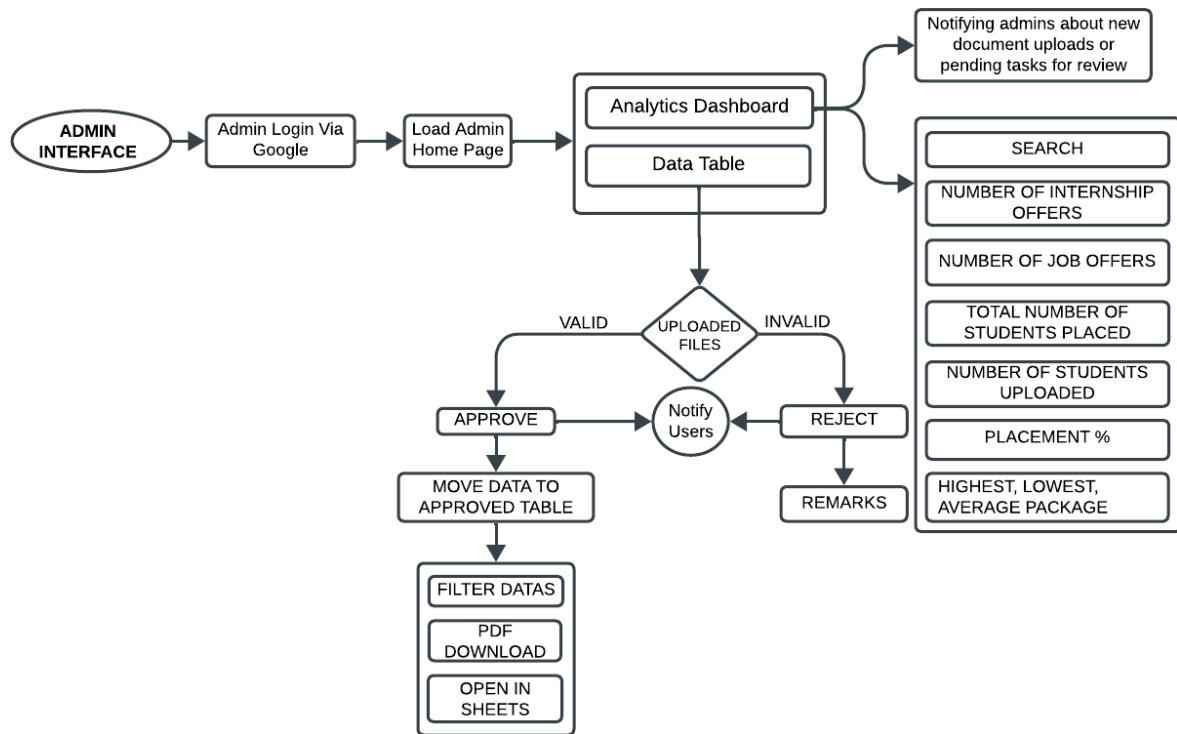
2.2.6.Analytics and Reporting:

- Access to analytical dashboards for Admin and NBA Coordinator to view Number of internship and job offers, Total number of students placed, Number of students uploaded, Placement %, highest, lowest and average package etc...

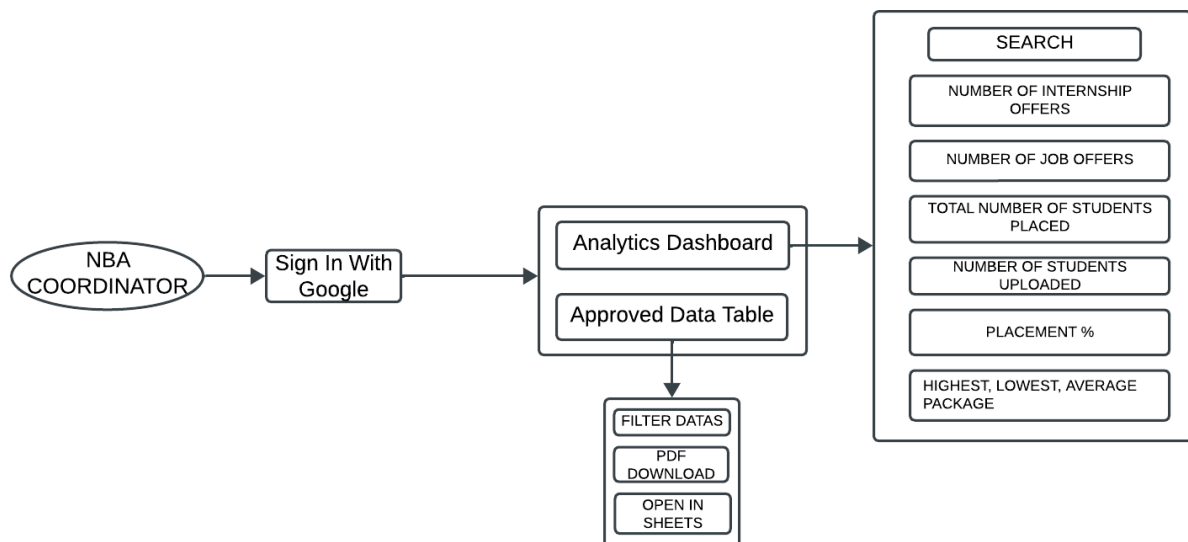
STUDENT INTERFACE



ADMIN INTERFACE



NBA COORDINATOR INTERFACE



3.1. Functional Requirements:

3.1.1.User Authentication:

- Students should be able to log in using existing credentials.
- Admins should have secure login access to the system.

3.1.2.Document Submission:

- Students should be able to submit internship and job offer letters, providing all necessary details.
- Admins should have the ability to review and verify the submitted documents for accuracy and compliance.

3.1.3.Document Status Tracking:

- Students should be able to check the status of their submitted documents, including approval or rejection.
- Admins should have access to document status tracking for efficient oversight and management.

3.1.4.Document Resubmission:

- Students should have the option to resubmit documents if they are rejected by Admin.

3.1.5.Automated Notifications:

- The system should send automated notifications to students for document submission and status updates.
- The system should send automated notifications to the admin of new document uploads or pending tasks for review.

3.2.Non-Functional Requirements:

3.2.1.Security:

- All user data and uploaded documents must be stored securely, with access control mechanisms to ensure data privacy and integrity.

3.2.2.Performance:

- The system should be capable of handling concurrent document uploads and user interactions without significant latency.

3.2.3.Usability:

- The user interface should be intuitive and easy to navigate, promoting a positive user experience for students and Admins.

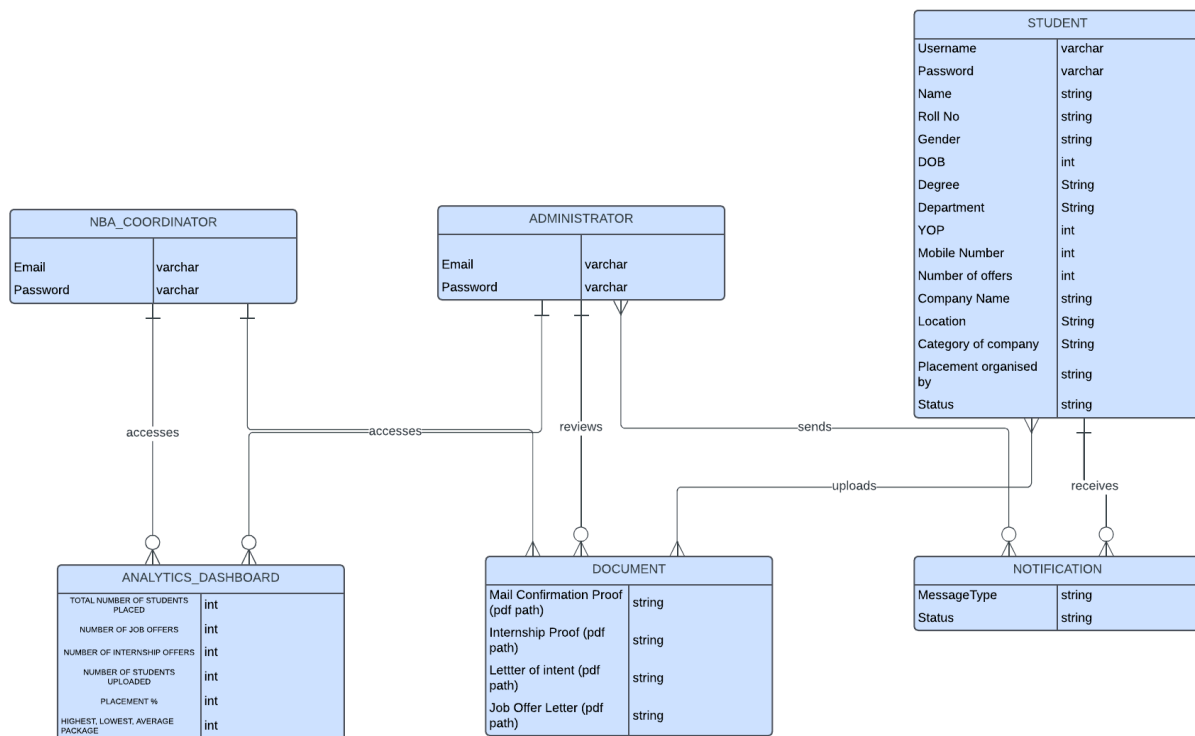
3.2.4.Scalability:

- The system should be designed to scale to accommodate a growing number of users and documents over time.

3.2.5.Analysis and Reporting:

- The system should provide analytical and reporting capabilities, allowing Admins(edit) and NBA Coordinator(view-only) access to placement data and insights into placement statistics and trends.

4. ER DIAGRAM:





PLACEMENT RECORD PORTAL

ADMIN

STUDENT

NBA COORDINATOR



LOGIN



Sign in with Google



STUDENT LOGIN

USERNAME




PASSWORD



LOG IN

PLACEMENT RECORD PORTAL

 Home

Logout

Welcome Back,


Student Details

Login: [Profile](#)

Create Placement Record

For Any Support:

Mail: training@bitathy.ac.in

 Home

Profile

NAME

: XXX

ROLL NO

: 7376222AD115

DEPARTMENT

: AI&DS

DEGREE

: B TECH

DOB

: 18/04/2005

GENDER

: FEMALE

PERSONAL MAIL ID

: abc@gmail.com

BATCH

: 2026

COMMUNITY

: AAA

RELIGION

: BBB

NATIONALITY

: CCC

BLOOD GROUP


: B+VE

CGPA

: 8.57

PHONE NUMBER

: 9988776655

 Home

NAME

ROLL NO

DEPARTMENT

GENDER

DOB

DEGREE

BRANCH

YEAR OF PASSING

MOBILE NUMBER

OFFER TYPE

JOB

INTERNSHIP

NUMBER OF OFFERS

NEXT

COMPANY 1:*

COMPANY NAME

CATEGORY OF COMPANY

PLACEMENT ORGANIZED BY

LOCATION

COMPANY 2:*

COMPANY NAME

CATEGORY OF COMPANY

PLACEMENT ORGANIZED BY

LOCATION

NEXT

PROOF DETAILS

MAIL CONFIRMATION *

(Upload Screenshot in PDF Format)

INTERNSHIP OFFER

YES

NO

UPLOAD PROOF(PDF)

JOIN DATE

NUMBER OF DAYS

STIPEND

LETTER OF INTENT(PDF)

OFFER LETTER(PDF)

• SALARY

• ROLE

• JOB LOCATION

• CURRENTLY WORKING AT

CREATE PLACEMENT RECORD

Placement Report

Search

NAME	DEPARTMENT	YOP	OFFER TYPE	NUMBER OF OFFERS	PROOF	STATUS	REMARKS
Steju	AI&DS	2026	Job	1	PDF	INITIATED	--

Placement Record

Welcome Back,

Home

Record Table

Approved Data

Logout

Analytical Dashboard

Select Batch

Total Number Of Students

1800

Number Of Students Interested in Placement

1500

Number Of Students Placed

1255

Placement Percentage

83.66%

Highest Package

44 LPA

Lowest Package

3.5 LPA

Number Of Students Uploaded

968

Number Of Internship Offers

500

Number Of Job Offers

1111

A pie chart illustrating the distribution of student data. The chart is divided into six segments of varying sizes and colors (green, red, blue, yellow, orange, and light blue). A legend below the chart maps these colors to specific metrics: Total Number Of Students (green), Number Of Students Interested in Placement (red), Number Of Students Placed (blue), Placement Percentage (yellow), Highest Package (orange), and Lowest Package (light blue).

Metric	Value
Total Number Of Students	1800
Number Of Students Interested in Placement	1500
Number Of Students Placed	1255
Placement Percentage	83.66%
Highest Package	44 LPA
Lowest Package	3.5 LPA
Number Of Students Uploaded	968
Number Of Internship Offers	500
Number Of Job Offers	1111

Record Table

Search

NAME	DEPT	YOP	OFFER TYPE	NUMBER OF OFFERS	PROOF	ACTION
Steju	AI&DS	2026	Internship	1		
Renita	AI&DS	2026	Job	1		
Rithanya	CSBS	2025	Job	2		
Karthikaa	CSBS	2024	Internship	1		