# SOFTWARE REQUIREMENT SPECIFICATION
# FULL STACK PROJECT WORKFLOW

| PROJECT ID | MODULE NAME | MODULE DESCRIPTION | DOMAIN |
|---|---|---|---|
| 3 | Placement Record | Students need to upload their internship offer letter and Job offer letter in a centralized forum | T&P |

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**REG.NO**                    **:** 7376222AD127
**SEAT.NO**                   **:** 123
**STACK ALLOCATION :** MEAN
**PROJECT ID**              **:**  3

## 1.    Problem Statement:-

The absence of a centralized platform for students to upload internship letters and job offer letters results in scattered documentation, reducing efficient record-keeping and access. This poses challenges in transparency, administrative tasks, and tracking placement progress, necessitating the development of a centralized forum for streamlined management.

**2.    Scope of Project:-**

- To develop a user-friendly centralized forum for T&P admin,NBA incharge and the user. This forum will serve as a portal for the Training and placement department to upload job offer letters and internship letters of students who got placed on campus along with details of job/internship and company details.

- Administrators have the ability to approve or reject records. Approved records will display in the dashboard of both the admin, the user and Administrators have the ability to download all the job offer letters and internship letters based on their wish in Excel format.

**3.    Stakeholder and their Privilege:-**

- **Students**
  Students have the ability to upload their job offer letters and internship letters along with their details of job/internship and company details which they got.

- **Administrator**
  Admin have the ability to Review the submitted documents and either approve or reject documents and access analytical dashboards for placement progress oversight. Admin can download the document and can export the document in Excel or pdf format.

- **NBA incharge**
  NBA incharge have the ability to view placement records in analytical dashboards for placement progress oversight.

## 4.    Features:-

- **Login and registration:**
  - Students can login with their login credentials provided by the Training and Placement department.
  - Admin can login with their college mail id.

- **Placement record Submission:**
  Students can input relevant details regarding Placement and their company and any necessary attachments. Upon completion, the application is submitted to the admin interface for review and further processing.

- **Approve or Deny records:**
  T&P admin should approve or deny records based on the originality or any other error in submission. If the admin approves the record will be stored in the database if he denies then remarks will be displayed in the student dashboard along with status.

- **Export placement records:**
  T&P Administrator can download all documents of a particular batch of students and export the submitted details in Excel format.

- **Admin's Analytical Dashboard:**
  Admin can view placement records in analytical dashboards for placement progress oversight, this helps in efficient tracking of placement progress.

## 5.   Database[Table structure]:-

### 5.1 Student entity:-

| Attributes | Datatype |
|---|---|
| Student ID | Integer |
| Name | String |
| Reg.no | String |
| Gender | String(Male,Female.others) |
| DOB | Date |
| Degree | String |
| Branch | String |
| Batch | Integer |
| Mobile number | String |
| Email ID | String |
| Native | String |
| CGPA | Decimal or Float |
| Currently working at | String |
| No of offers students | Integer |

## 5.2 Company entity:-

| Attributes | Datatype |
|---|---|
| Company ID | Integer |
| Company name | String[Dropdown] |
| Company type | String[Dropdown] |
| Organization type | String[Dropdown] |
| Placed through | String[Dropdown] |
| Location of the company | String |
| Conformation proof | <table><tr><td>Mail confirmation</td><td><ul><li>Date - date datatype</li><li>Package-String</li><li>Proof-String (using multer)</li></ul></td></tr><tr><td>Internship letter</td><td><ul><li>Date - date datatype</li><li>Joining date-date</li><li>Duration-integer</li><li>Stipend-String</li><li>Proof-String (using multer)</li></ul></td></tr><tr><td>Intern letter</td><td><ul><li>Date - date datatype</li><li>Joining date-date</li><li>Duration-integer</li><li>Stipend-String</li><li>Proof-String (using multer)</li></ul></td></tr><tr><td>Job offer letter</td><td><ul><li>Received date - date</li><li>Package-String</li><li>Proof-String (using multer)</li></ul></td></tr></table> |

## 6.    Stack:-

| Components | Tech stack |
|---|---|
| Frontend | AngularJS |
| Backend | ExpressJS |
| Database | MongoDB |
| Api | RESTFul API |

## 7.    Stakeholder interface:-

● **Student interface**
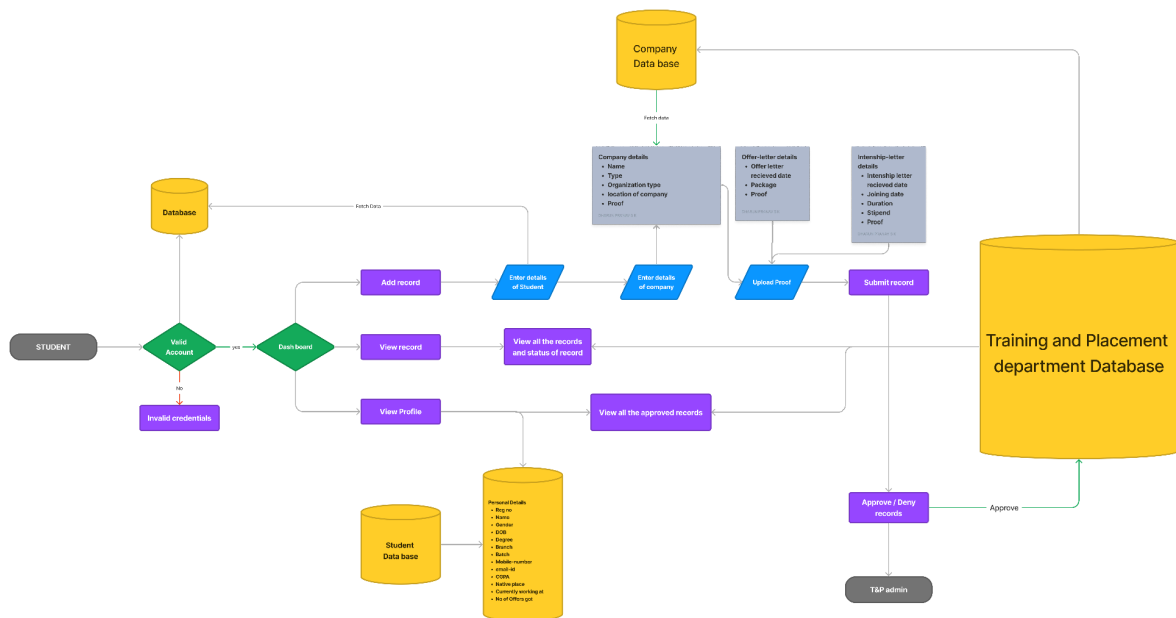
- ## **T&P Admin interface**
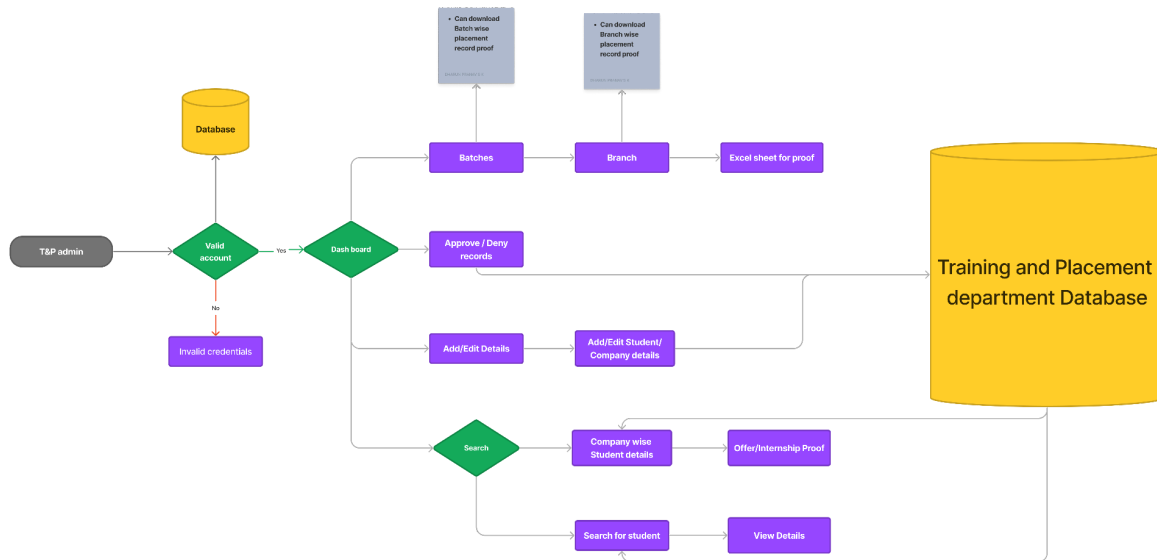


- ## **NBA Admin interface**
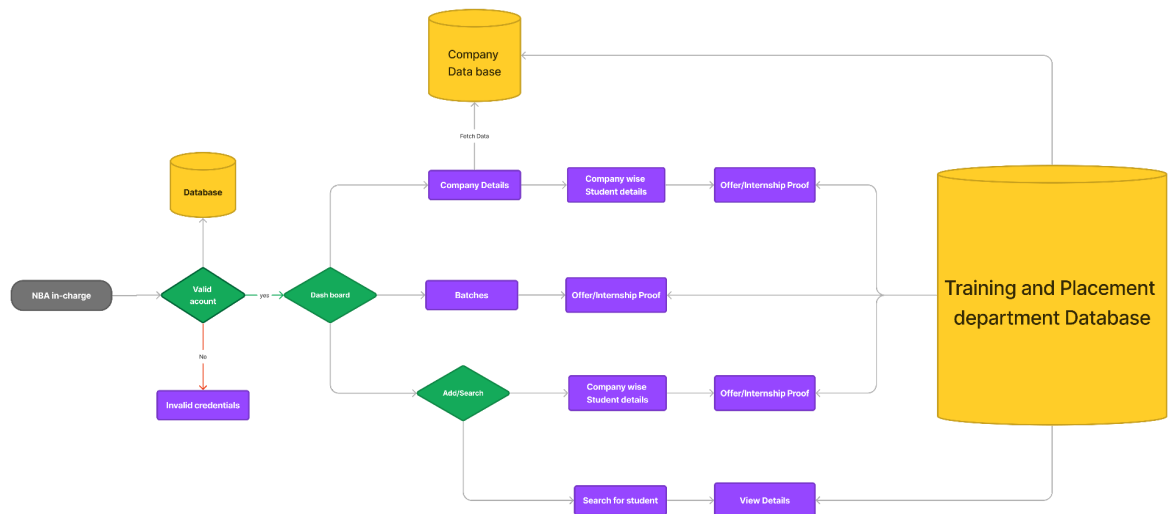
## 8.    Prototype of the project:-

- ## Student interface:-
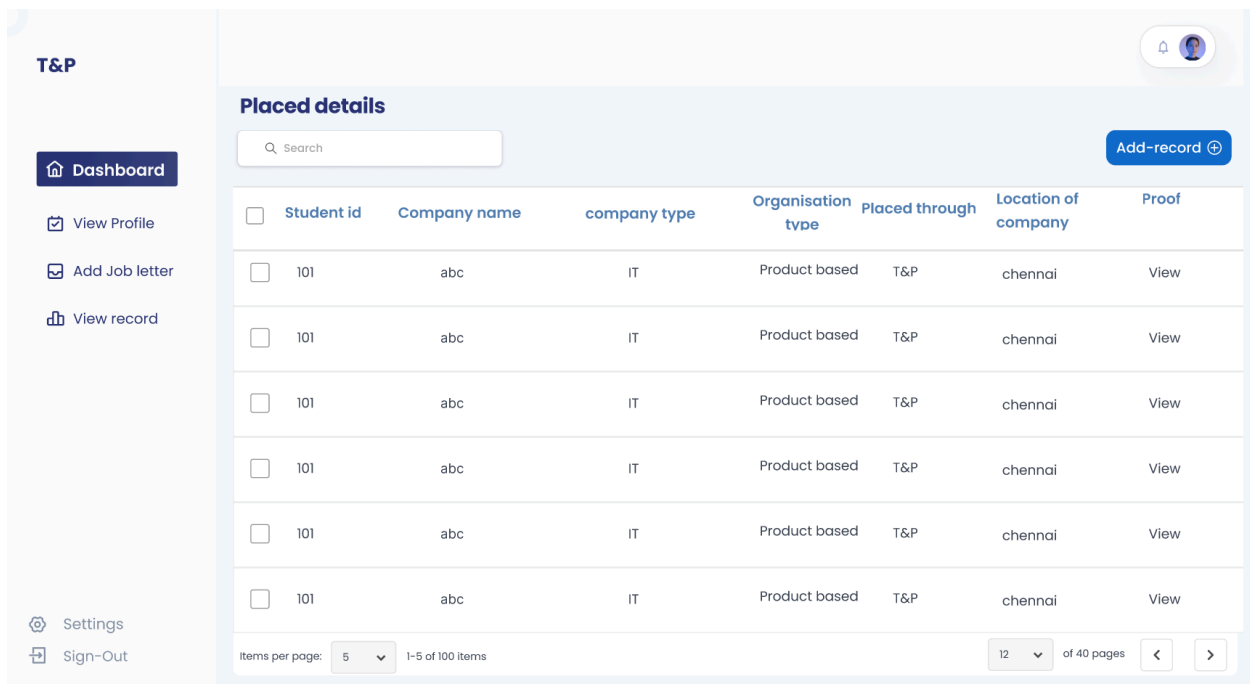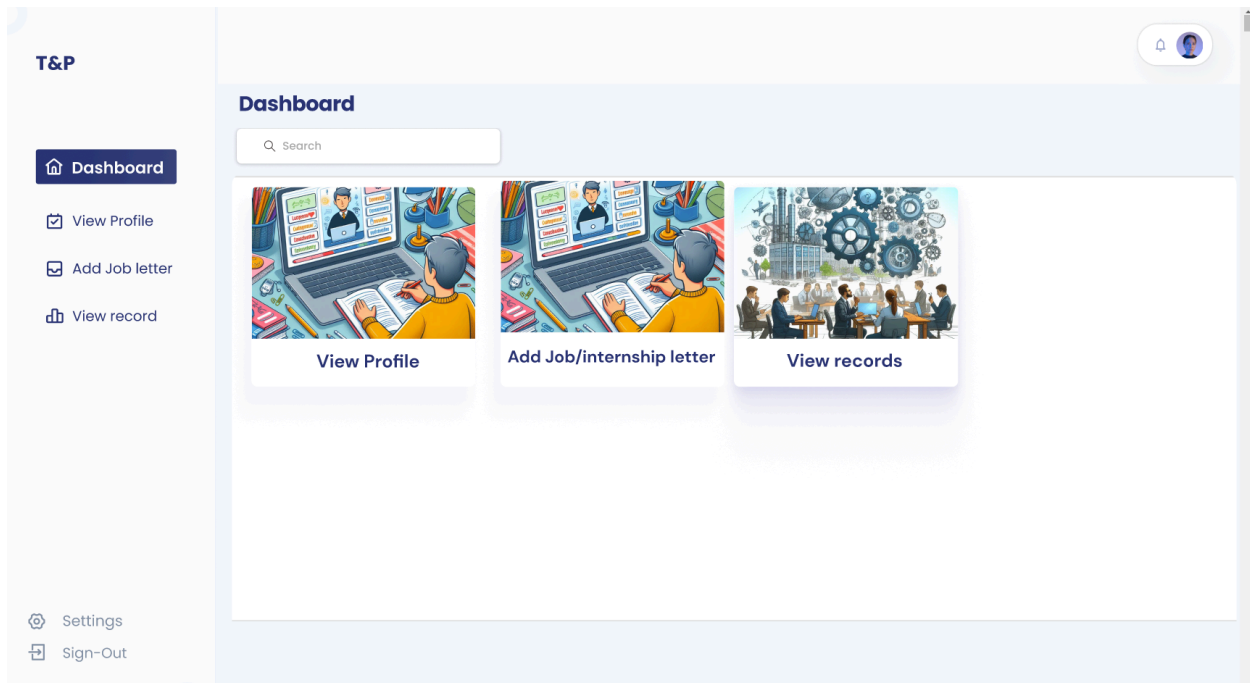
## Placed details

Search — Add-record ⊕

| Organisation type | Placed through | Location of company | Proof | Time | Status | ID | Remarks | View |
|---|---|---|---|---|---|---|---|---|
| Product based | T&P | chennai | View | 9.00 AM | Approved | 111 | — | 👁 |
| Product based | T&P | chennai | View | 9.00 AM | Approved | 222 | — | 👁 |
| Product based | T&P | chennai | View | 9.00 AM | Approved | 333 | — | 👁 |
| Product based | T&P | chennai | View | 9.00 AM | Approved | 444 | — | 👁 |
| Product based | T&P | chennai | View | 9.00 AM | Approved | 555 | — | 👁 |
| Product based | T&P | chennai | View | 9.00 AM | Approved | 666 | — | 👁 |

Items per page: 5    1–5 of 100 items        12    of 40 pages  ‹ ›

## Upload Placed details

- Student ID: 2022
- Company Name: ODD
- Company Type: Artificial Intelligence And Data Science
- Organization Type: Artificial Intelligence And Data Science
- Placed through: Artificial Intelligence And Data Science
- Location of company: Artificial Intelligence And Data Science
- Proof*: ☐ Mail conformation ☐ Job Offer letter ☐ Internship letter ☐ Intern letter
- Document: Choose Test

Apply

## T&P

**Profile**

- Dashboard
- View Profile
- Add Job letter
- View record

| Field | Value |
|---|---|
| Student ID | 127 |
| Name | Dharun pranav |
| DOB | 22-05-2005 |
| Gender | Male |
| CGPA | 8.5 |
| Mobile number | 9345509925 |
| Degree | B.TECH |
| Branch | AI&DS |
| Batch | 2026 |
| Batch | 2026 |

- Settings
- Sign-Out

## T&P

**Profile**

- Dashboard
- View Profile
- Add Job letter
- View record

| Field | Value |
|---|---|
| Branch | AI&DS |
| Batch | 2026 |
| Job offers | 5 |

| | Student id | Company name | company type | Organisation type | Placed through | Location of company | Proof |
|---|---|---|---|---|---|---|---|
| ☐ | 101 | abc | IT | Product based | T&P | chennai | View |
| ☐ | 101 | abc | IT | Product based | T&P | chennai | View |
| ☐ | 101 | abc | IT | Product based | T&P | chennai | View |
| ☐ | 101 | abc | IT | Product based | T&P | chennai | View |
| ☐ | 101 | abc | IT | Product based | T&P | chennai | View |

- Settings
- Sign-Out

● **T&P Admin & NBA incharge:-**

## T&P

- Dashboard
- Batches
- Approve/Deny Records
- Add/Edit Details
- Search

**Search**

Search

| | Student id | Company name | company type | Organisation type | Placed through | Location of company | Proof |
|---|---|---|---|---|---|---|---|
| ☐ | 101 | abc | IT | Product based | T&P | chennai | View |
| ☐ | 111 | bcd | Core | Product based | T&P | chennai | View |
| ☐ | 127 | cde | IT | Product based | T&P | Delhi | View |
| ☐ | 101 | def | IT | Product based | T&P | chennai | View |
| ☐ | 104 | efg | Core | Product based | Dept | chennai | View |
| ☐ | 127 | fgh | IT | Product based | T&P | Namakal | View |

- Settings
- Sign-Out

## T&P

- Dashboard
- Batches
- Approve/Deny Records
- Add/Edit Details
- Search

**Batches**

Search

| 2025 Batch | 2026 Batch | 2027 Batch | 2028 Batch |

- Settings
- Sign-Out

**T&P**

- 🏠 Dashboard
- ☑ Batches
- ▣ Approve/Deny Records
- ⅰ Add/Edit Details
- 🔍 Search

⚙ Settings
↦ Sign-Out

**2025 Batches**

🔍 Search

Company          Department

**T&P**

- 🏠 Dashboard
- ☑ Batches
- ▣ Approve/Deny Records
- ⅰ Add/Edit Details
- 🔍 Search

⚙ Settings
↦ Sign-Out

**2025 Batches - Company**

🔍 Search

ABC company          BCD company
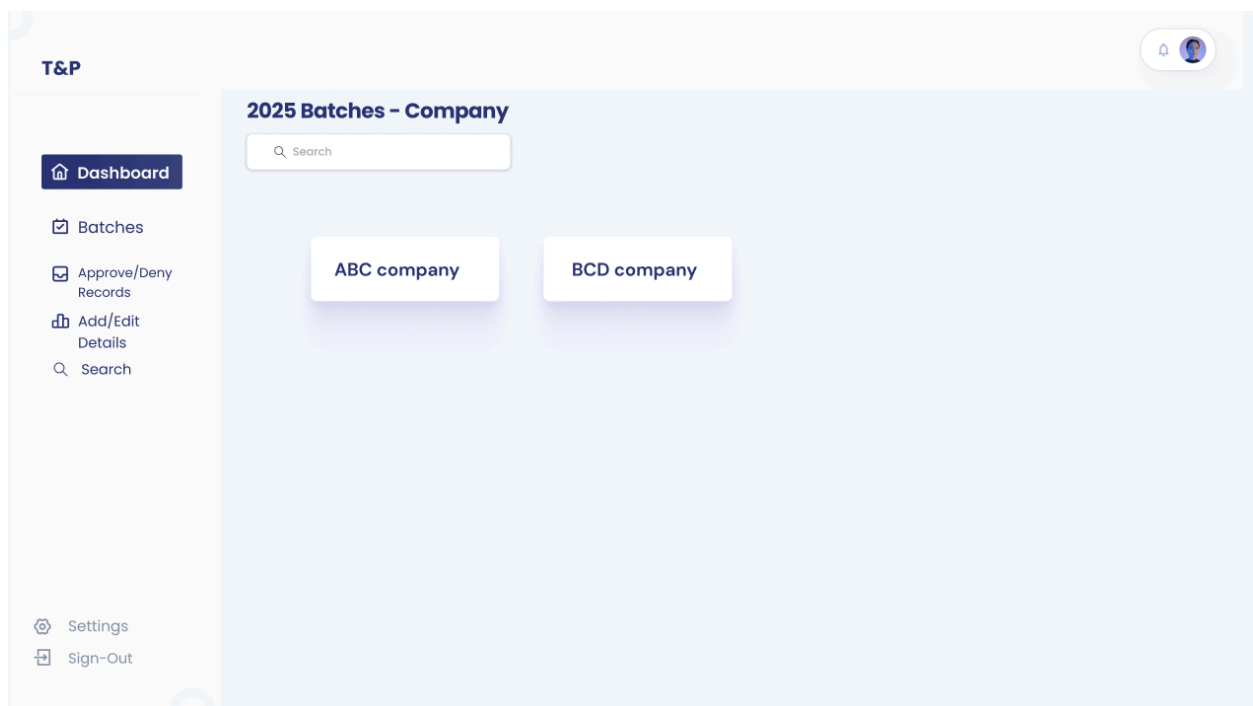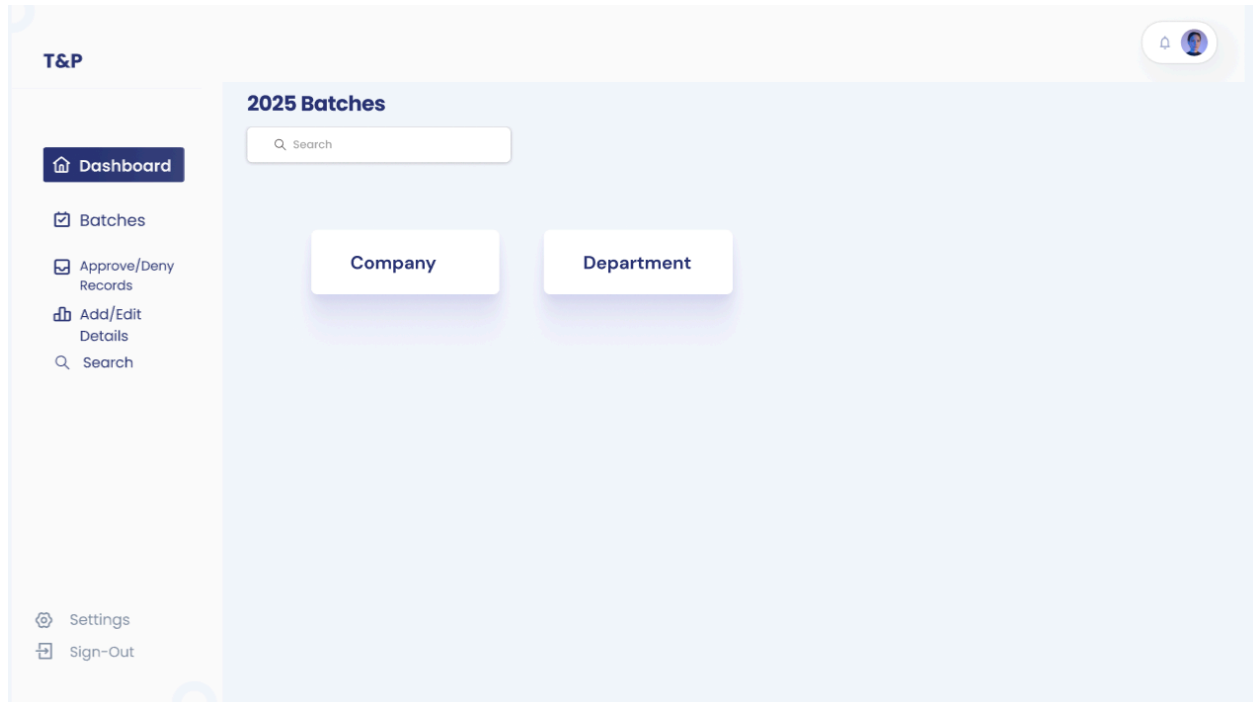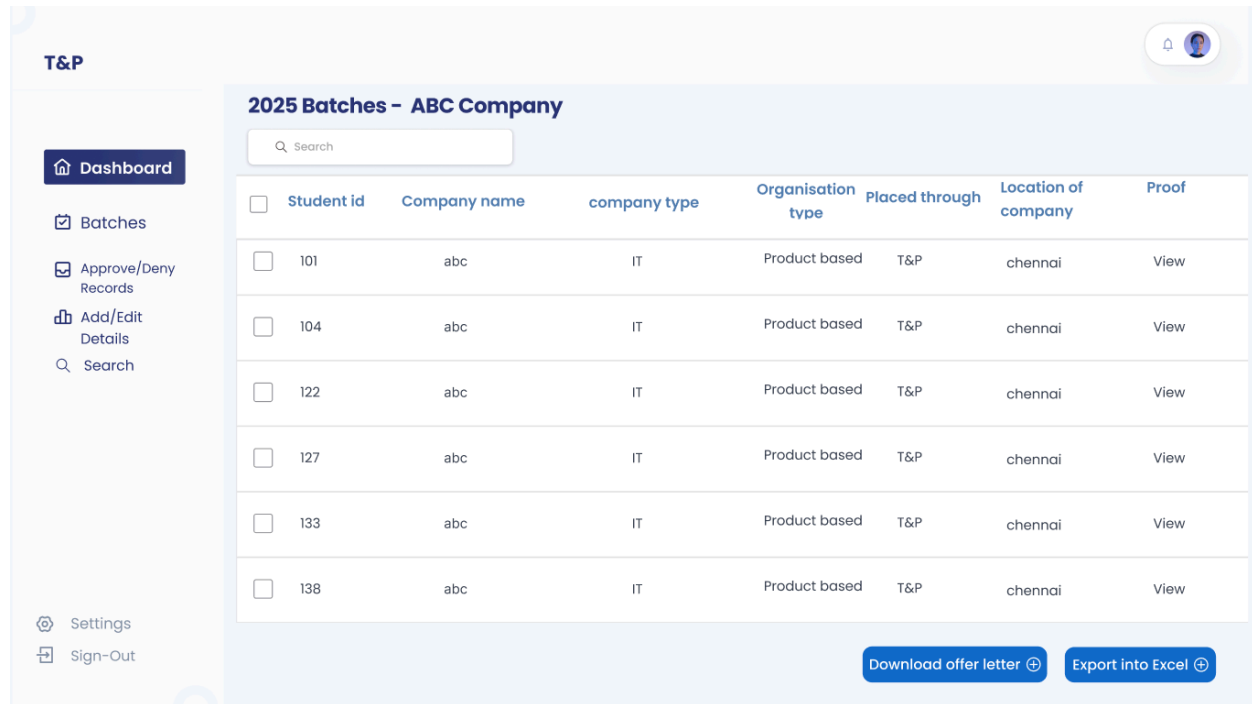
## FIGMA LINK:-

- **Prototype using Figma**     ← **CLICK THE LINK**