

**STAGE 1**  
**Software Requirement Specification for Internship Course**  
**Exemption Portal**

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<b>Project ID</b>	16
<b>Problem Statement</b>	Internship course exemption

**Stack: MERN**

Front End	React (JS Library for building user interfaces)
Backend	Node.js with Express.js
Data Base	MongoDB (NOSQL Database)
API	Open API

**1. Introduction**

**1.1. Purpose:**

The purpose of this document is to present a detailed description of the Internship course exemption portal. It will explain the purpose and features of the system, the interfaces of the system, what the system will do, the constraints under which it must operate and how the system will react to external stimuli.

## **1.2. Scope of Project:**

- This software system will serve as a portal for the students to apply for an internship approval and claim credits once completed, enabling students to submit their internship report and receive their rewards. From an administrative perspective, this system will provide a comprehensive **analytical dashboard for reviewing the report**.
- Administrators have the ability to approve or reject report. Once a report is approved, students can claim the credit by appearing to the review. The system will calculate the number of days the internship has gone through. If this duration is less than 90 days, a warning will be displayed indicating that students cannot avail credit for internship if the duration is below 90 days.

## **2. System Overview:**

### **2.1. Users:**

#### **1) Students:**

They have the ability to create action plan and apply for the internship they are going to go through (Tracker) and also once completed they must submit the report to claim the credits. If the

report is accepted the reviewer will create a slot for the review to examine the student

**2) Admins:**

Review submitted Tracker, approve or reject applications (with remarks). Create slot for the review and examine the student for eligible credits.

**2.2. Features:**

**1. Login and registration:**

Students can register for an account or login with their existing account

**2. Internship Application Submission:**

Students can input relevant details regarding their internship including company details and student's details. Upon completion, the application is submitted to the admin interface for review and further processing

**3. Application Status:**

Students can view the current status of their application and also see the history logs in the option Activity

**4. Applying for review:**

Student with approved internship report can book slot for their review with faculty members to avail credits.

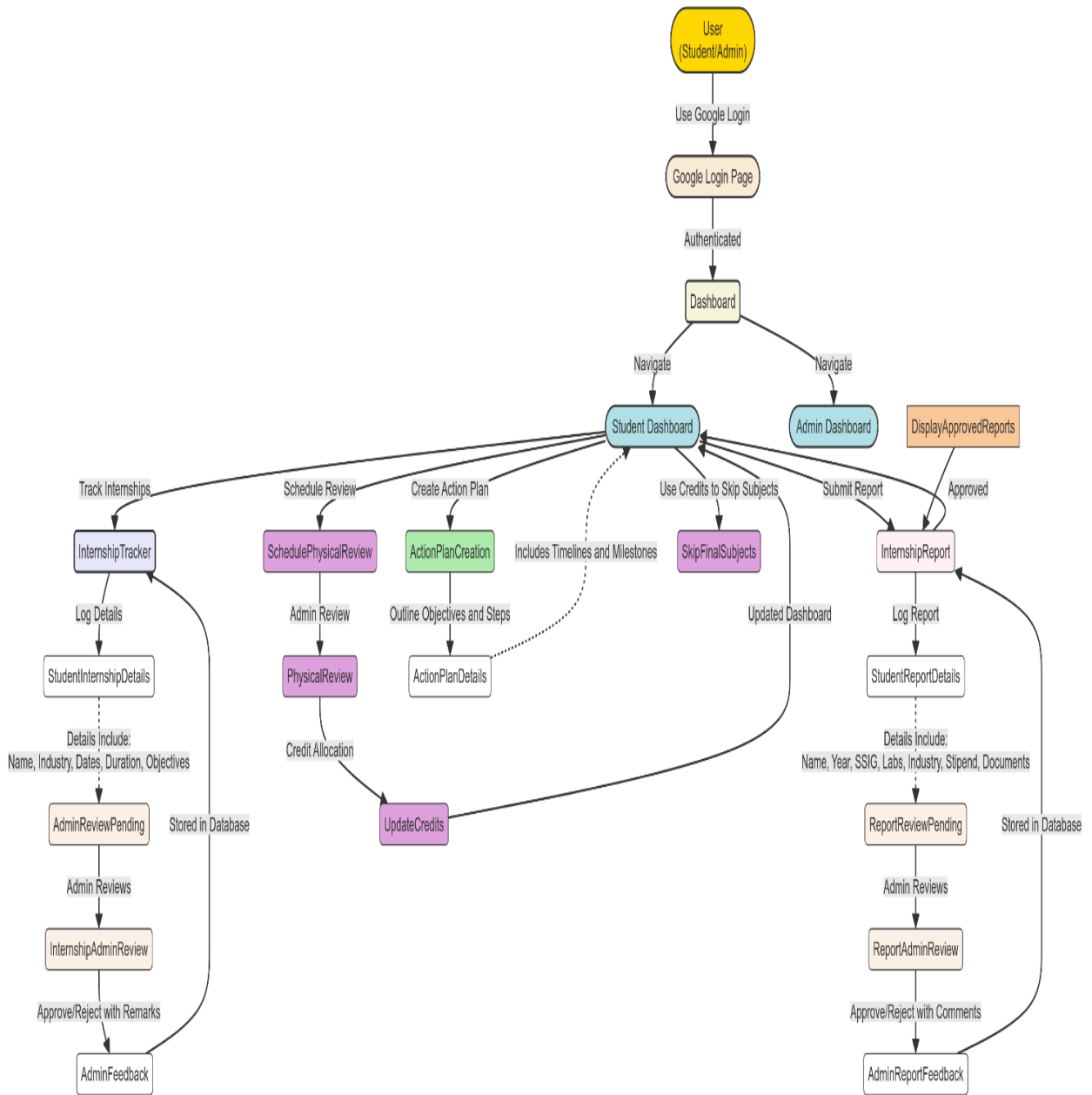
**5. Admin Access:**

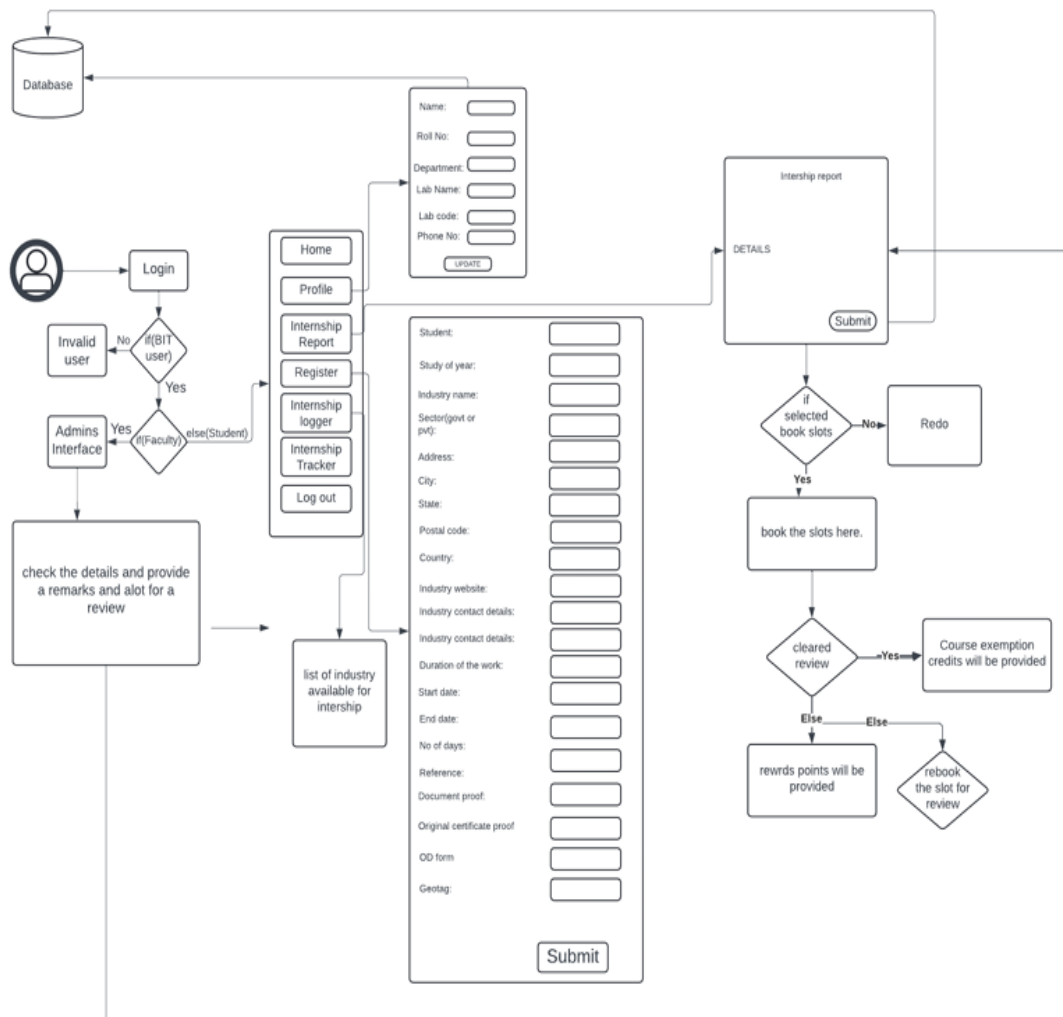
Admin can view all submitted Internship report in a category duration of days or company, view application details, approve or reject the application with suitable remarks, schedule meetings.

#### **6. Admin's Analytical Dashboard:**

Admin can view the number of applications by category, appointments request and also see the latest log of applications

FLOW CHART: User interface and Admin interface





### 3.1 Functional Requirements:

- **User Management:**

- Students can register and login.

- Admins have access control with an analytical dashboard and dedicated features.

- **Internship Application:**

- Students can submit applications with appropriate details
- Application form contains:
  - Name, SSIG number
  - Area of the Internship.
  - Internship category.
  - Internship domain.
  - Internship title.
  - Objective.
  - Explanation.
  - Company details
  - Duration
  - Proof

- **Application Status:**

- Students can view the current status of their application
- If the application is rejected then the remarks is shown
- Students can also see the logs of their applications

- **Appointment Scheduling (After Approval):**

- Students with approved report can request appointments after completion.

- **Admin Dashboard:**

- Admins can view a list of all submitted reports.
- Applications can be filtered by category (duration and company).
- Admins can view details of each application.

- Admins can approve or reject applications with suitable remarks.
- Admins can schedule meetings for accepted appointments.
- **Analytics Dashboard:**
  - Admin can view the number of applications by its category
  - Number of appointments is requested based on the category

### 3.2. Non-Functional Requirements:

- **Performance:** The system must respond to user actions within 2 seconds to ensure efficient usability and must handle a concurrent user load of at least 100 users without significant performance degradation.
- **Security:** User data must be encrypted during transmission and storage, and access to sensitive functionalities should be restricted to authorized admin users through secure authentication mechanisms.
- **Usability:** The user interface should be intuitive and user-friendly, with clear and concise error messages provided to guide users in case of input errors or system failures.
- **Reliability:** The system should be available 24/7 with minimal downtime and should have a backup and recovery mechanism in place to prevent data loss in case of system failures or crashes.
- **Scalability:** The system should be designed to accommodate an increasing number of users and data volume over time, and it should be scalable to support additional features and functionalities as per future requirements.

#### Backend:

##### 1. Student entity

name	String
email	String



password	Hash code
Roll no	String

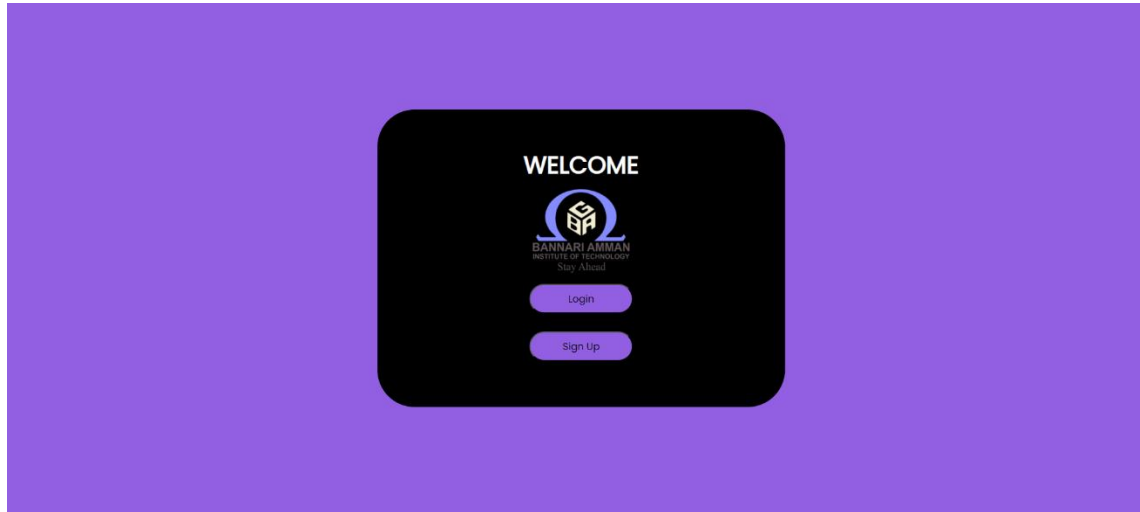
## 2. Internship Details

Roll no	String																
Details	<table> <tr> <td>company</td><td>String (drop down)</td></tr> <tr> <td>address</td><td>String</td></tr> <tr> <td>Special lab</td><td>String</td></tr> <tr> <td>sector</td><td>String</td></tr> <tr> <td>Pdf Path</td><td>String</td></tr> <tr> <td>status</td><td>String</td></tr> <tr> <td>Created At</td><td>Date</td></tr> <tr> <td colspan="2">Array of Objects</td></tr> </table>	company	String (drop down)	address	String	Special lab	String	sector	String	Pdf Path	String	status	String	Created At	Date	Array of Objects	
company	String (drop down)																
address	String																
Special lab	String																
sector	String																
Pdf Path	String																
status	String																
Created At	Date																
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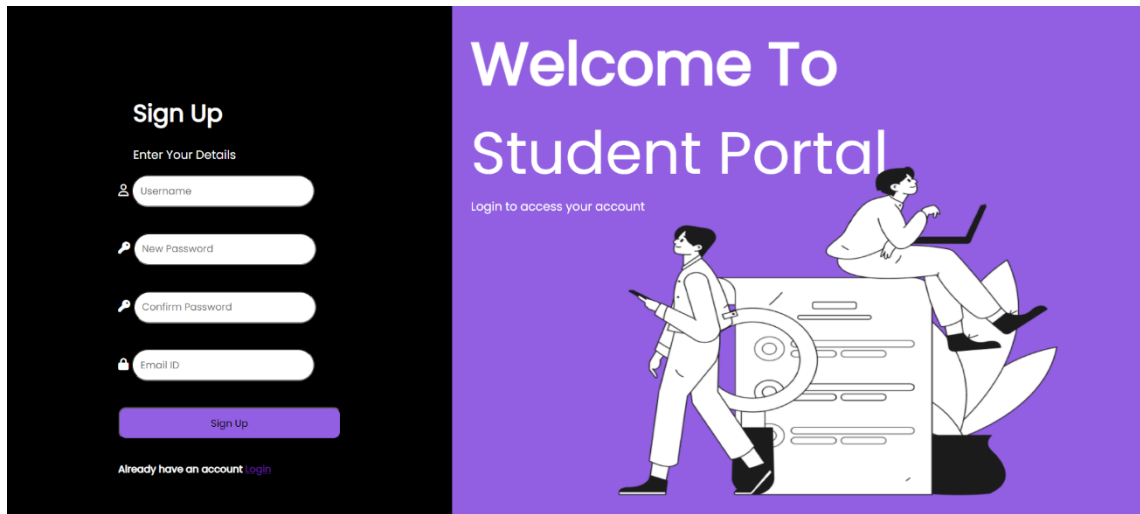
## 3. Appointment Entity

Roll no	String
Internship appointment	Details [] in the internship entity

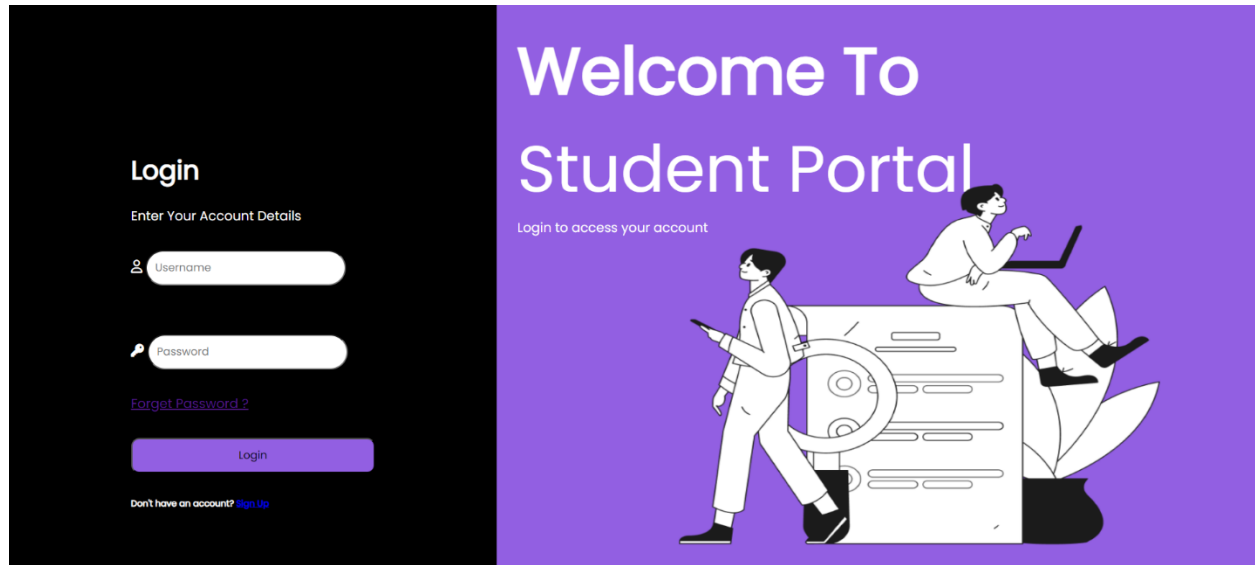
## WELCOME PAGE:



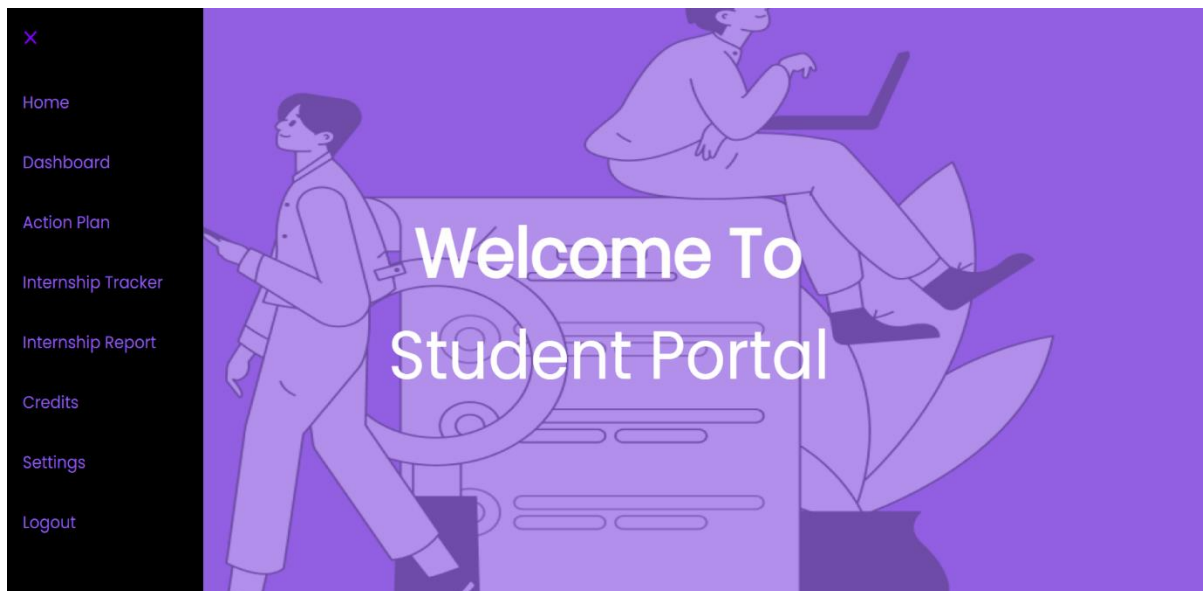
## SIGNUP PAGE:



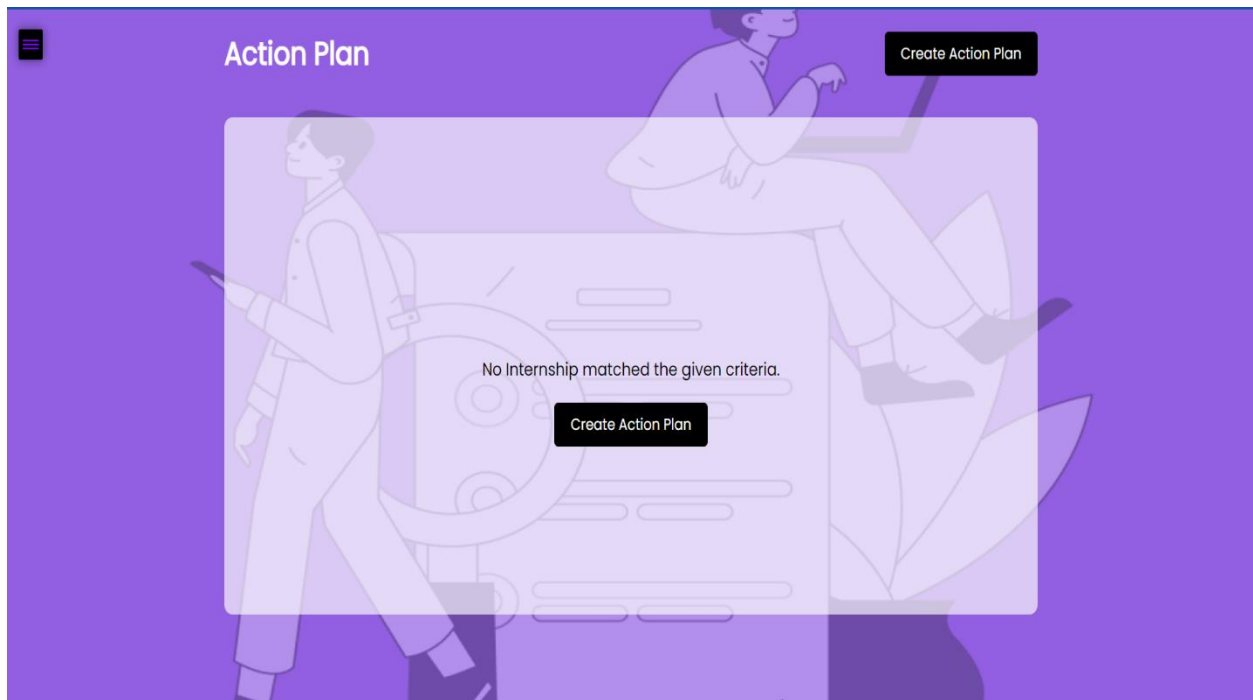
## LOGIN PAGE:



## DASHBOARD:



## CREATE ACTION PLAN:

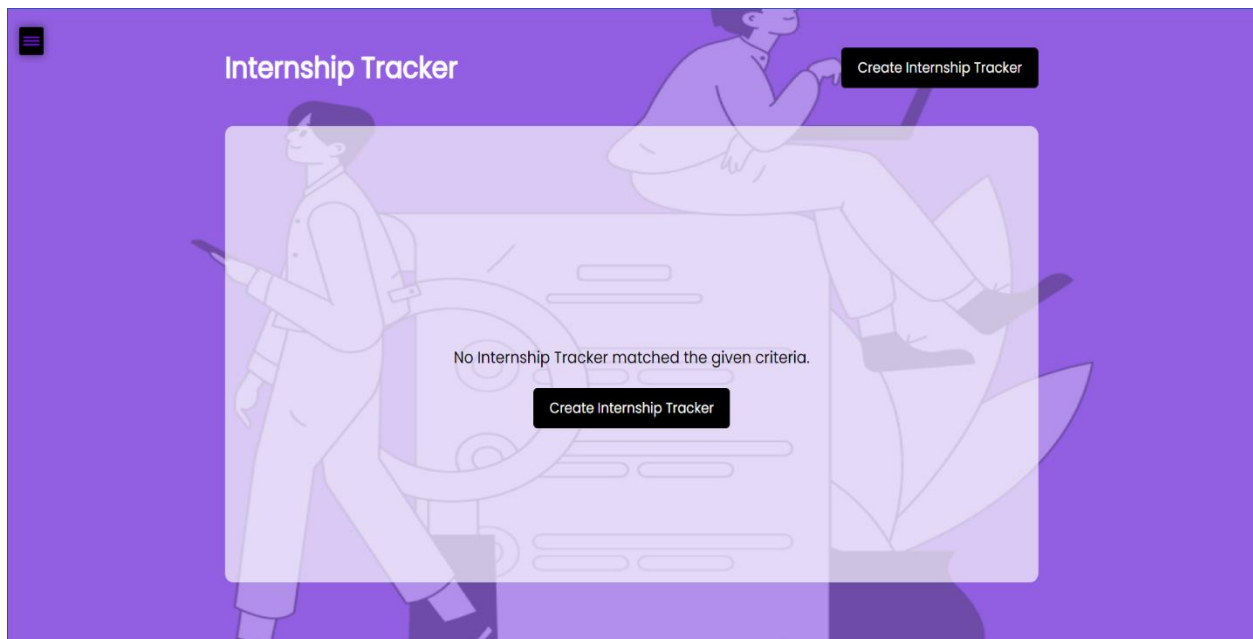


The screenshot shows a 'Create Action Plan' modal form. The form has a white background and a title 'Create Action Plan' at the top. It contains the following fields:

- Student \***: A dropdown menu with the text 'Select Student' and a downward arrow.
- Academic Year \***: A dropdown menu with the text 'Click to choose' and a downward arrow.
- Name of the company \***: A text input field.
- No Of Days \***: A text input field.
- Date of Submission \***: A date picker showing '22-05-2024' and a calendar icon.
- Status**: A dropdown menu with the text 'Initiated' and a downward arrow.

At the bottom of the form, there are two buttons: a grey 'Cancel' button and a blue 'Create Internship' button.

## INTERNSHIP TRACKER:



The screenshot shows the 'Create Internship Tracker' form. The form is titled 'Create Internship Tracker' and contains the following fields:

- Student \***: A dropdown menu with the placeholder text 'Select Student'.
- Industry \***: A dropdown menu with the placeholder text 'Select Industry'.
- Start Date \***: A date input field with the value '22-05-2024' and a calendar icon.
- End Date \***: A date input field with the value '22-05-2024' and a calendar icon.
- No Of Days \***: A text input field.
- Aim & Objective \***: A text area with a 'Choose File' button and the text 'No file chosen'.
- Status**: A dropdown menu.

## INTERNSHIP REPORT:

The image displays two screenshots of a web application interface for managing internship reports. The background of both screenshots is a solid purple color with faint, stylized line art illustrations of people working.

**Top Screenshot:** The header area features a hamburger menu icon on the left, the title "Internship Report" in the center, and a "Create Internship Report" button on the right. Below the header, a large, semi-transparent white rectangular box contains the text "No Internship Report matched the given criteria." and a "Create Internship Report" button.

**Bottom Screenshot:** This screenshot shows the "Create Internship Report" form. The form is a white modal box with a title "Create Internship Report" at the top. It contains the following fields:

- Student \***: A dropdown menu with the placeholder text "Choose an option".
- Year of Study \***: A dropdown menu with the placeholder text "Choose an option".
- SSIG Number \***: A dropdown menu with the placeholder text "Click to choose".
- Special Lab \***: A dropdown menu with the placeholder text "Choose an option".
- Sector \***: A dropdown menu with the placeholder text "Select Sector".
- Industry Address Line \***: A text input field.
- City \***: A dropdown menu.