



## SOFTWARE REQUIREMENTS SPECIFICATION FOR TRAINING PERFORMANCE TRACKER

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**SEAT NUMBER** : 42  
**PROJECT ID** : 02  
**PROJECT TITLE** : Training Performance Tracker

### **FULLSTACK :**

### **SPRING BOOT STACK (JAVA) :**

<b>Frontend</b>	React.js
<b>Backend</b>	Java with Spring Boot
<b>Database</b>	MySQL
<b>API</b>	REST Ful API

### **PROBLEM STATEMENT :**

The lack of centralized and standardized systems for monitoring and evaluating student progress presents several challenges which includes,

1. **Limited Visibility into Student Achievements:** Stakeholders, including faculty members, parents and placement teams, lack real-time access to comprehensive data on students' skills, projects, technologies and achievements, hindering their ability to provide targeted support and guidance.
2. **Ineffective Matching for Placement Opportunities:** The absence of a systematic approach to identifying students with specific skills, talents and accomplishments relevant to the criteria given by the companies for placement opportunities results in suboptimal matching between students and companies during placement interviews.
3. **Bounded Effectiveness :** The absence of administrative tools for filtering and analyzing student data based on specific criteria hampers the ability to identify and nurture talent, limiting the overall effectiveness of placement and career development initiatives.

## **SOLUTION :**

To overcome these challenges and enable students to demonstrate their capabilities effectively, it's essential to develop a robust Student Training Performance Tracker. This platform involves collaborative efforts between students and faculty to create a comprehensive dashboard encompassing all relevant information, thereby fostering optimal matching for placement opportunities. By facilitating thorough skill documentation, streamlining evaluation processes, and providing targeted placement matching, this system aims to enhance students' career preparedness and elevate their likelihood of achieving successful placement outcomes

## **PROJECT FLOW :**

### **1. Purpose :**

To develop a comprehensive Training Performance Tracker to streamline the documentation, evaluation, tracking and filtering. This system aims to enhance students' career preparedness and increase their prospects for successful placement outcomes.

## 2. Scope :

This project entails developing a comprehensive Training Performance Tracker software application. The login can be done successfully only by using bitsathy organization email id. Thus the organization email id is mandatory. The features will include user authentication with role-based access control, student profile management, evaluation tools for faculty, an administrative dashboard for filtering, overview for the management and a parent portal for monitoring student performance.

## 3. SYSTEM OVERVIEW :

### 3.1 User Personas / Stakeholders:

- **Student** : Upload their activities which includes Communication(GD), placement training, skills acquired, online courses completed, achievement (World Skill) with proof and self rating. KEYNOTE : Students can have access only to their dashboard.
- **Faculty** : Faculties have the authority to approve students' skills and, if necessary, modify the rating for a particular skill, providing the proof accordingly.
- **Admin** : Access to each student's dashboard and will be equipped with filtering tools to streamline data.
- **Management** : The management can have the basic overall view of the students with data abstraction.
- **Parents** : Access to their children's dashboard for the acknowledgement of their children's capacity and performance in college.

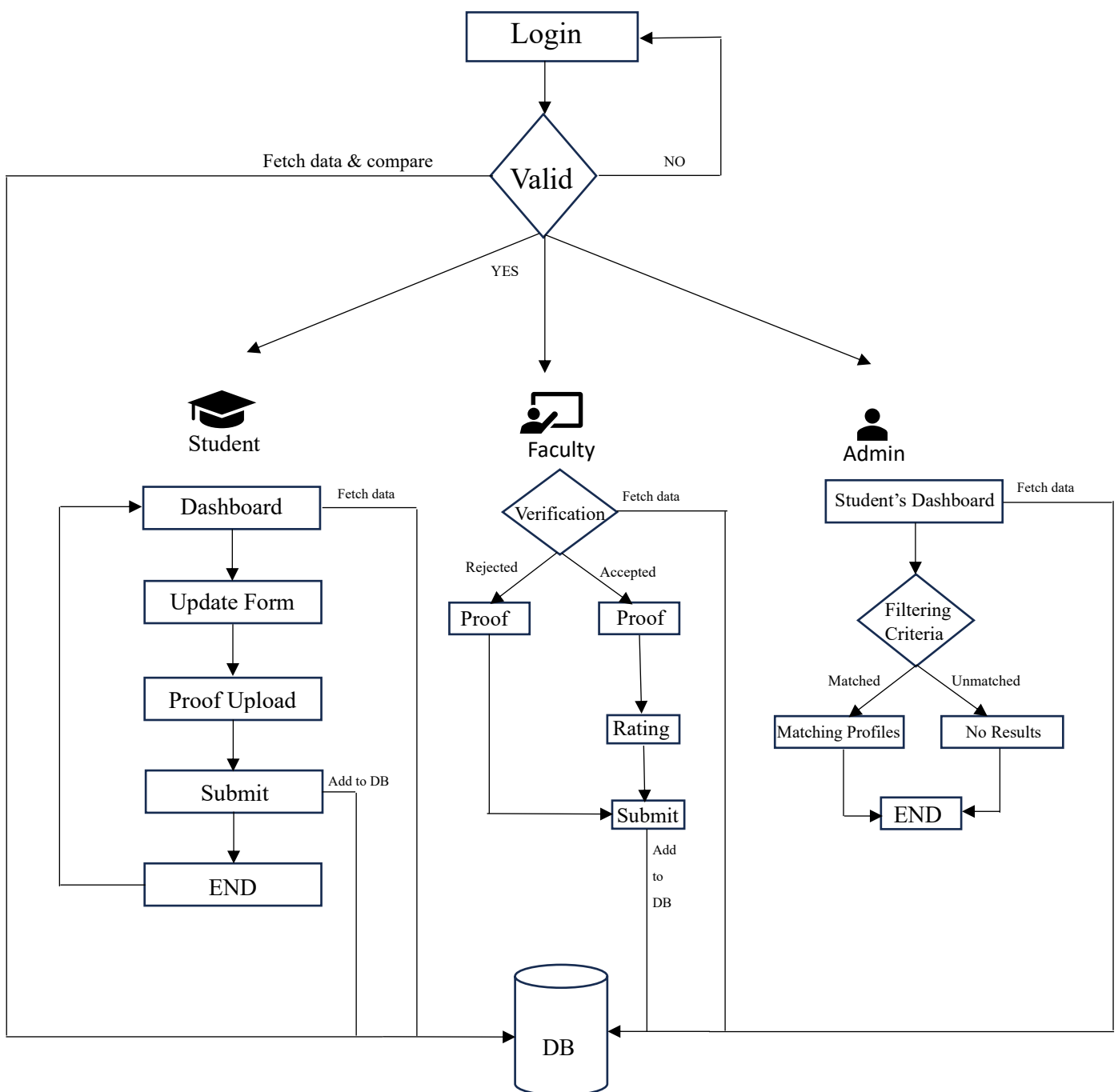
### 3.2 Key Features :

1. Login : Integrated with Google OAuth for user authentication and hence only the users with email id of bitsathy organization can login.
2. Student's Self-Rating Skill Submission in dashboard
3. Faculty's real-time evaluation on the website.
4. Filtering by the admin according to the placement team's criteria.

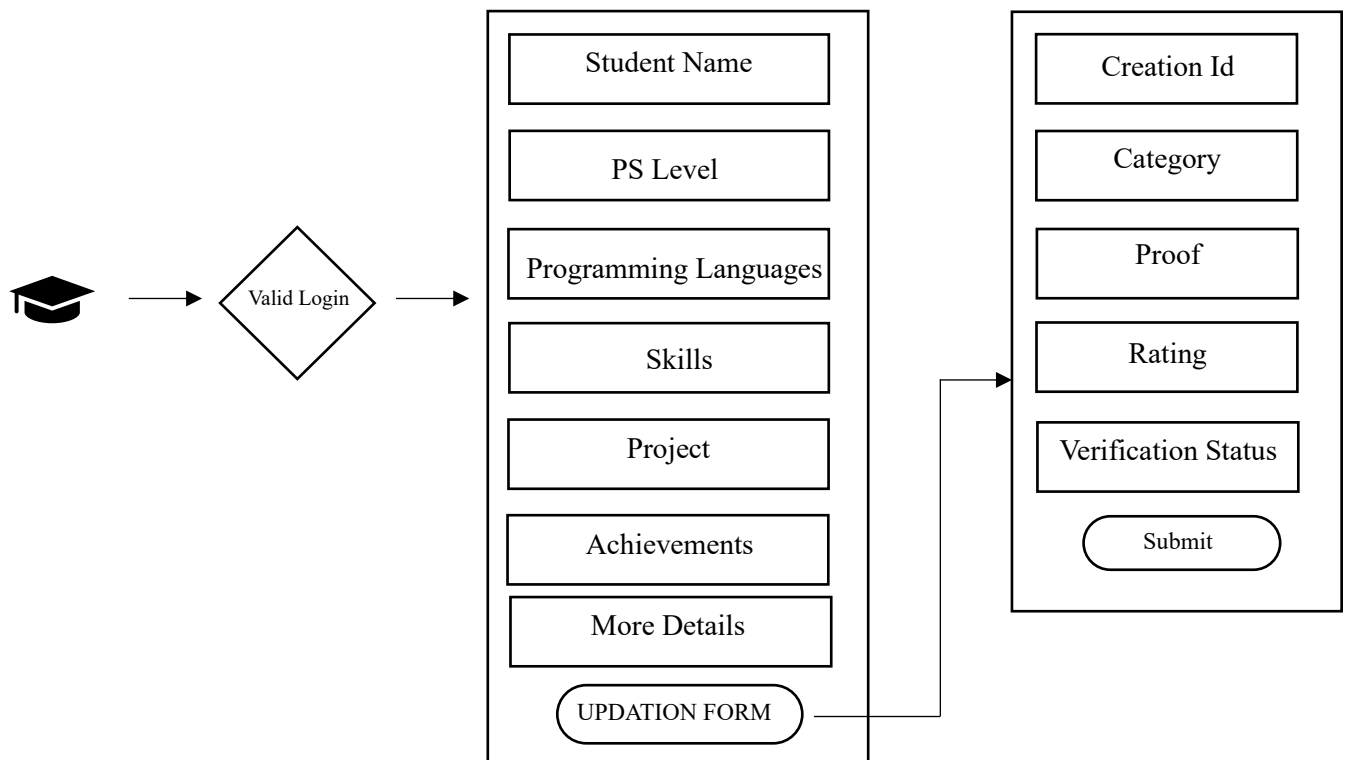
### 3.3 Functional Requirements :

1. Organization mail id : Integrated with GoogleOAuth
3. Admin Dashboard : Admin's access to Filtering tools.
4. Update form : It includes communication, placement training, skills, online course, projects and other categories for student submission.
5. Verification : Faculties will verify the form submitted by students and the status can be viewed by the students.

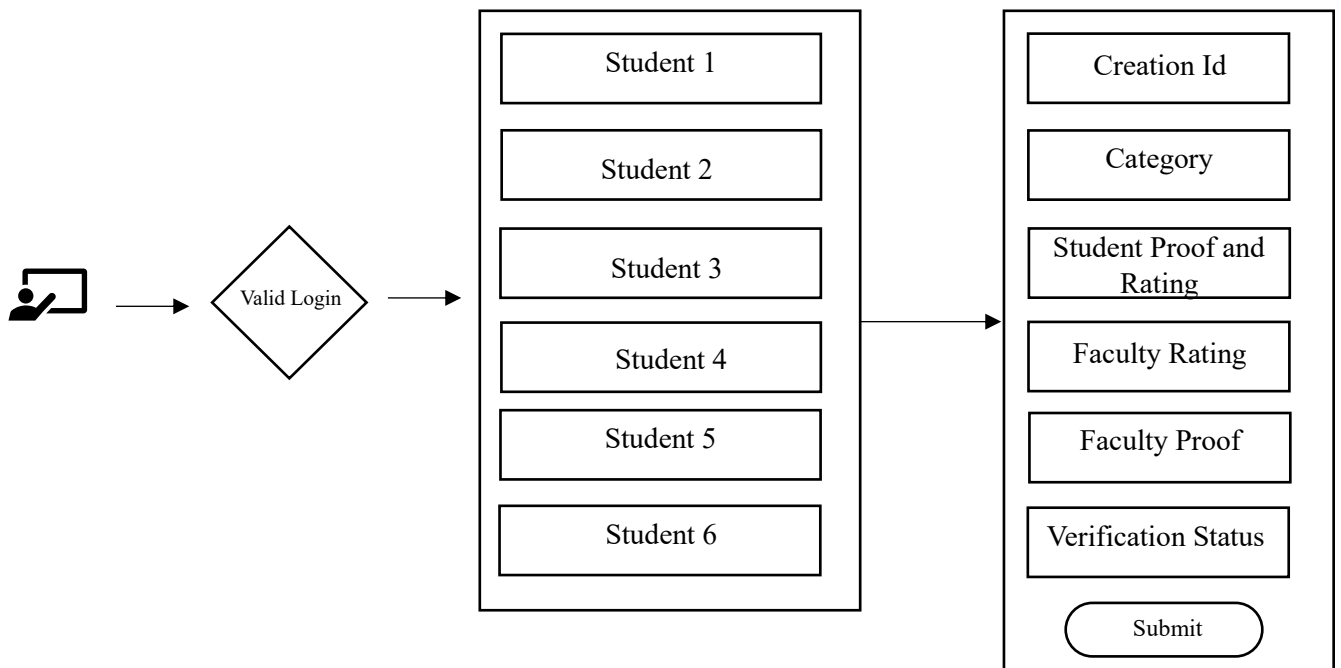
#### FLOWCHART :



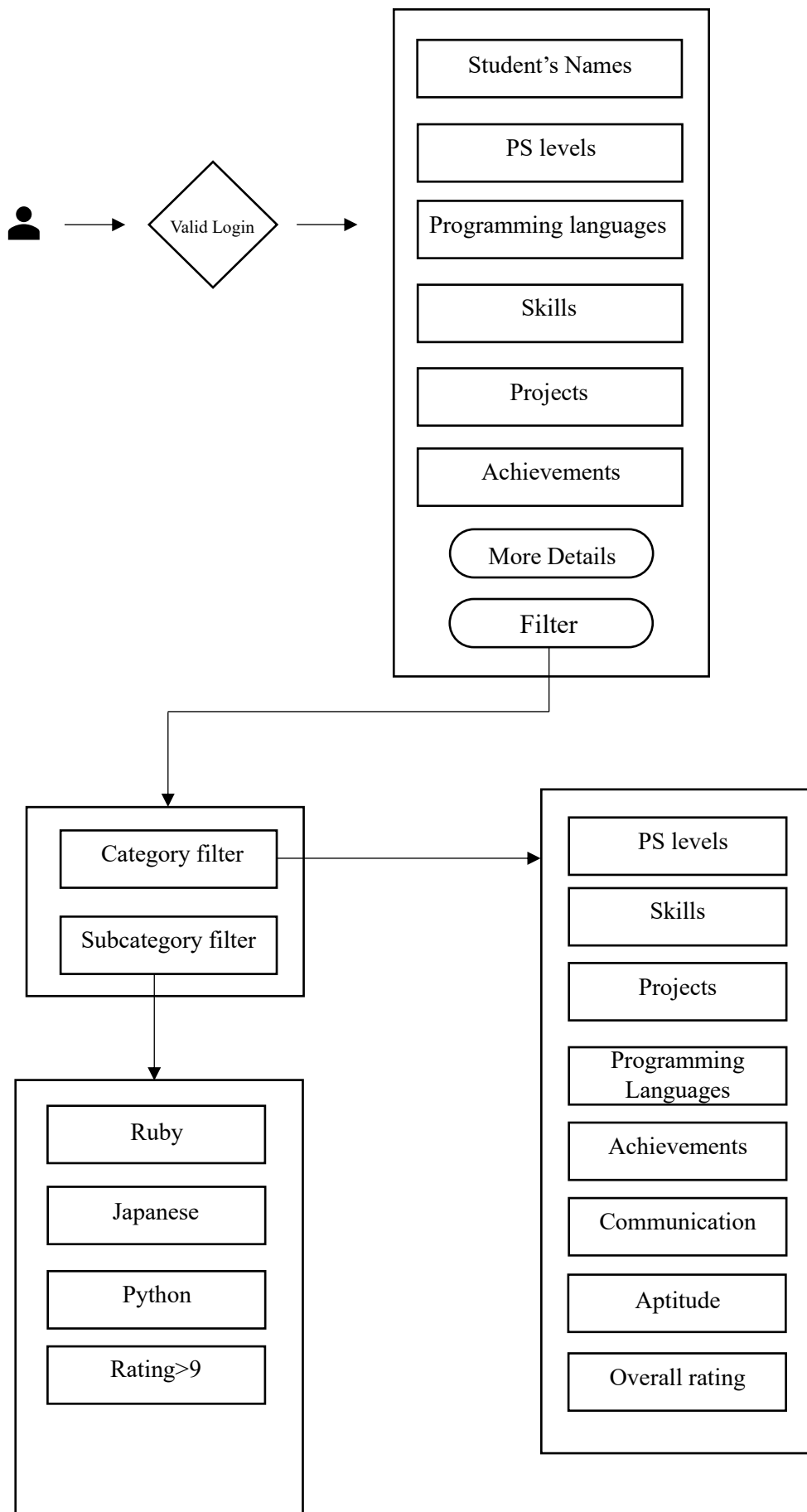
### STUDENT INTERFACE :



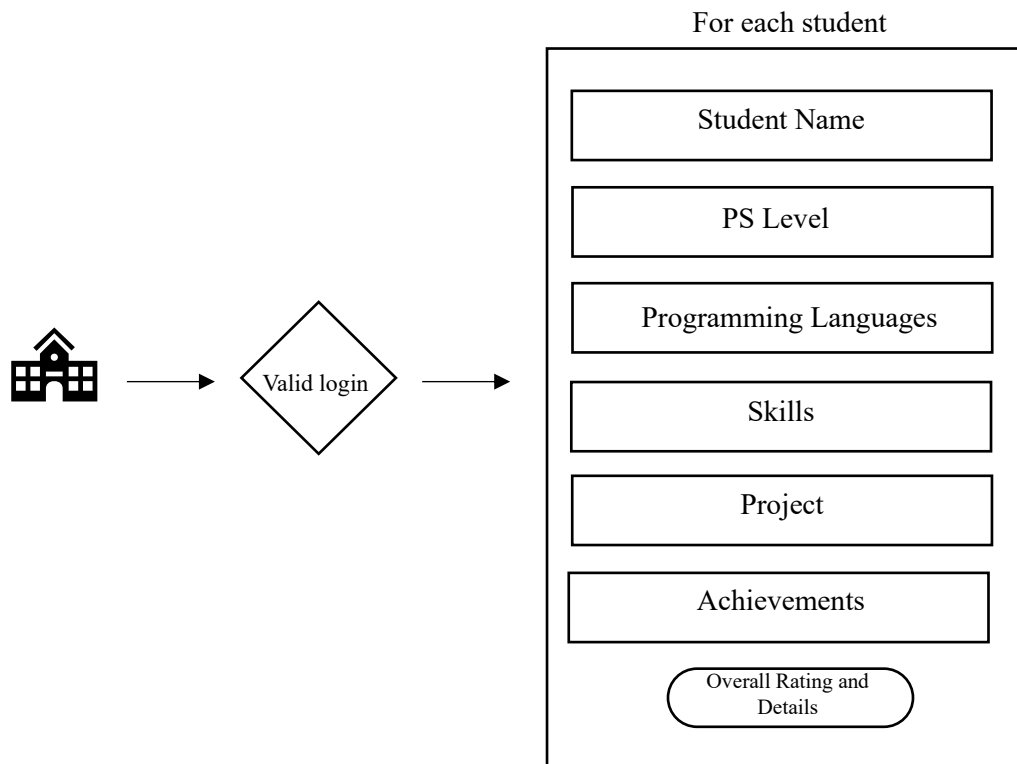
### FACULTY INTERFACE :



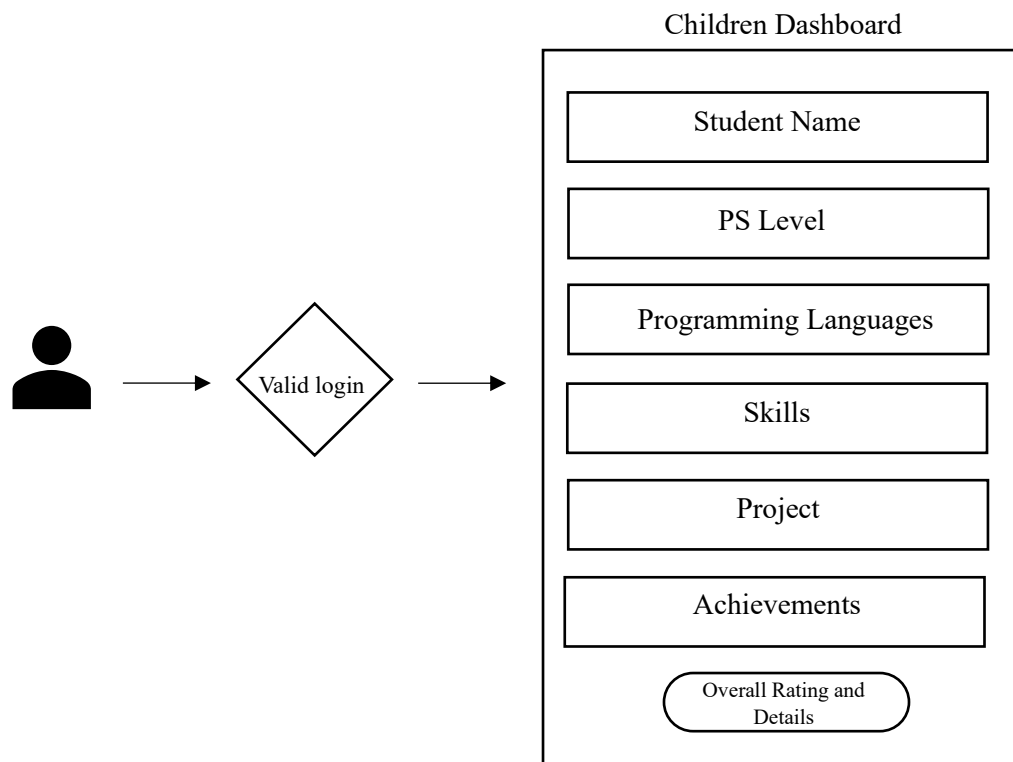
## ADMIN INTERFACE :



## MANAGEMENT INTERFACE :

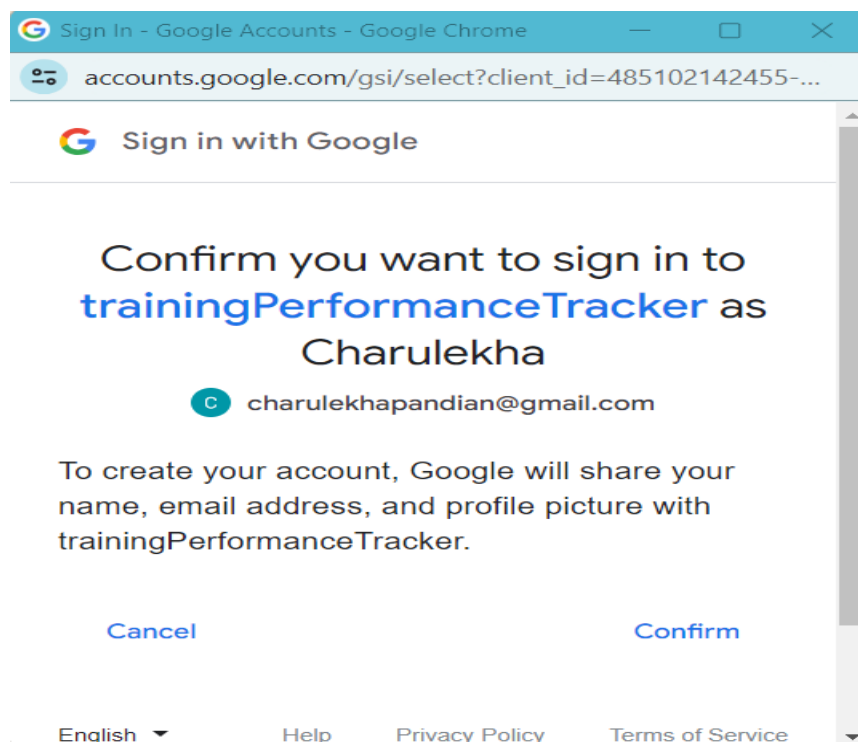
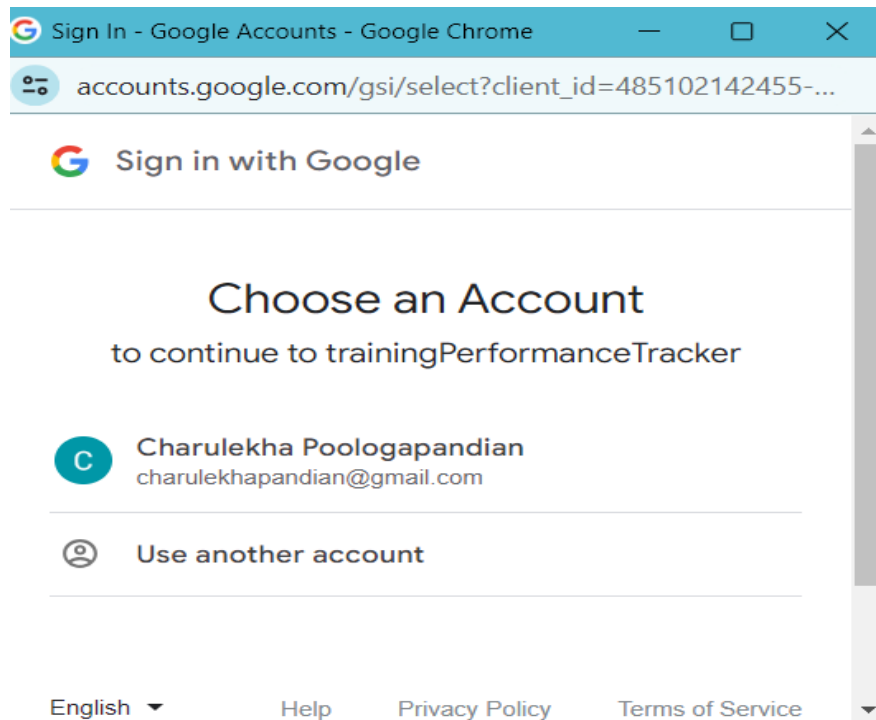


## PARENT INTERFACE :

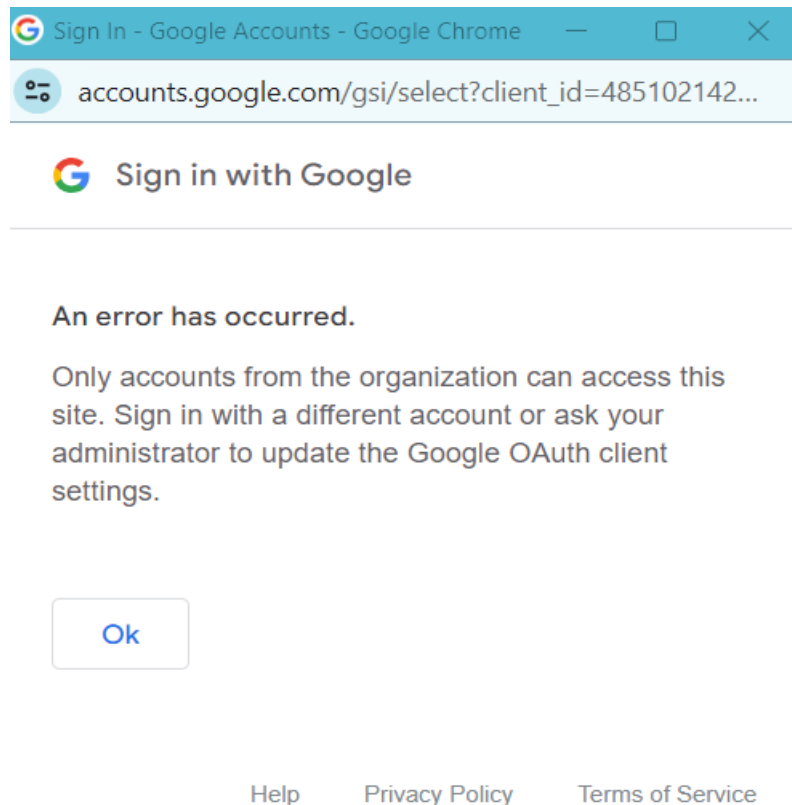


## Google OAuth Prototype:

Using mail id other than the organisation results in unsuccessful login.

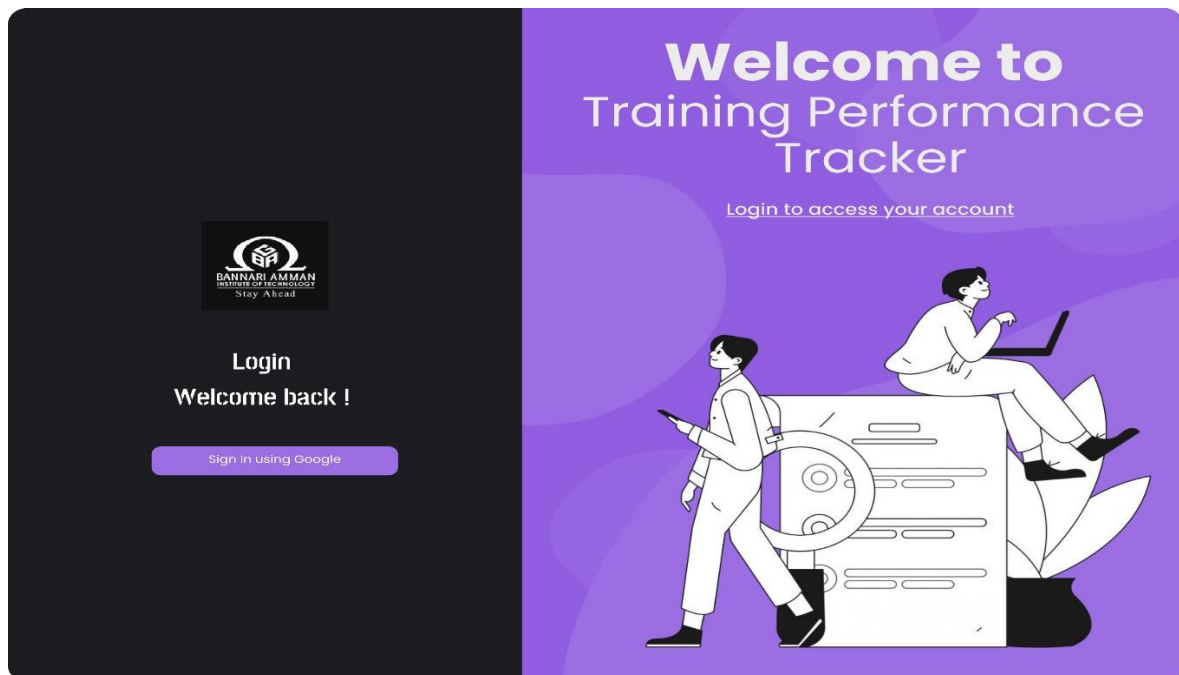






### SAMPLE DESIGN :

LOGIN :



Individual Student's View :

Good Morning

Keep it up and improve your results!



Student Name

Student

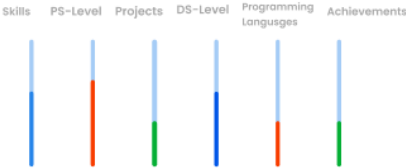
Latest Progress

Rating

Topic 5	-	HTML	8
Topic 3	-	CSS	4
Topic 9	-	Group Discuss	9
Topic 4	-	Python	5
Topic 6	-	Bootstrap	8.5
Topic 8	-	React	5

Dashboard

[More...](#)



UPDATION FORM



Create New

A2

English

Intermediate



B3

Japanese

Beginner



Updation Form Status

4pm

Verified

Wednesday

10am

On-Process

Thursday

2pm

Submitted

Friday

See More...

