

# TRANING PERFORMANCE TRACKER

**NAME : RAGHUPRASANTH D**

**ROLL NUMBER : 7376221MC135**

**PROJECT ID : 2**

**SEAT NUMBER : 442**

## **PROBLEM STATEMENT:**

The problem statement is to create Student Training Performance Tracker for placement team to maintain all the student's training data like attendance and assessments. The main aim is to provide the skill-based student analysis for admin. The student's dashboard should reflect their current talent scenario with rewards earned by the students.

## **PROJECT-FLOW**

### **1.PURPOSE**

To keep the student's training data from the first year to the graduation of the student or till the placements of the student. To sort the students based on the company requirement depending on skills completed or domain of the project worked or Online course completed etc. To show the overview of the students learning performance to management team. To make the sorting of the students for placement easier.

### **2.STAKEHOLDERS**

- 1.Admin
- 2.Students
- 3.Faculty Members
- 4.Management Team

3.FUNCTIONALITY

1.Admin

Admin has the overall access. Admin can access all student’s data and able sort the students based on skills, online courses, domain of the project worked, attendance percentage.

Admin has the access to Map the students to corresponding faculty to validate the skill or course completed by the students when students upload or add his skills.

2.Students

Students has the access to view their own profile of skills completion and their rewards earned for each skill and total rewards.

Students can add skills when they completed any skills with their expecting reward.

3.Faculty Members

Faculty Members has the access to reward the students after the validation process.

Faculty can provide the description about the skills completed by the students based on rewards awarded.

4.Mangement Team

Management Team has access to view the overall students learning status.

STACK USED

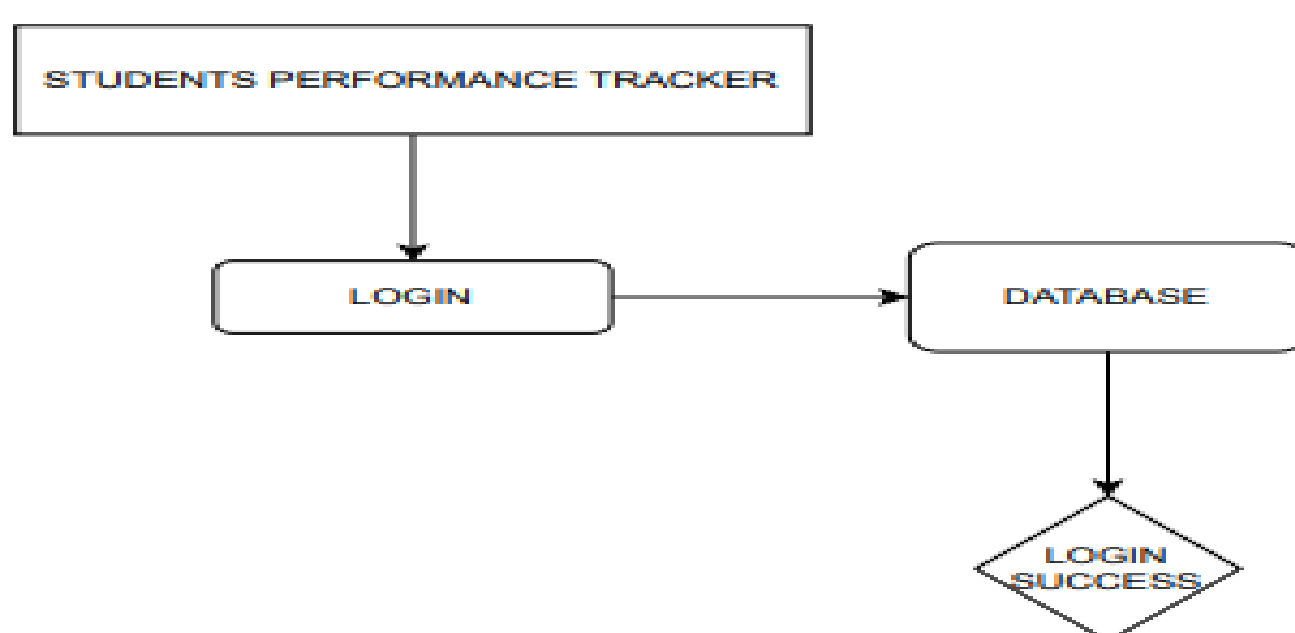
MEAN STACK

COMPONENTS	TECH SACK
FRONT END	ANGULAR
BACK END	EXPRESS.JS NODE .JS
DATABASE	MongoDB (NOSQL Database)
API	REST Ful API / GraphQL APIs

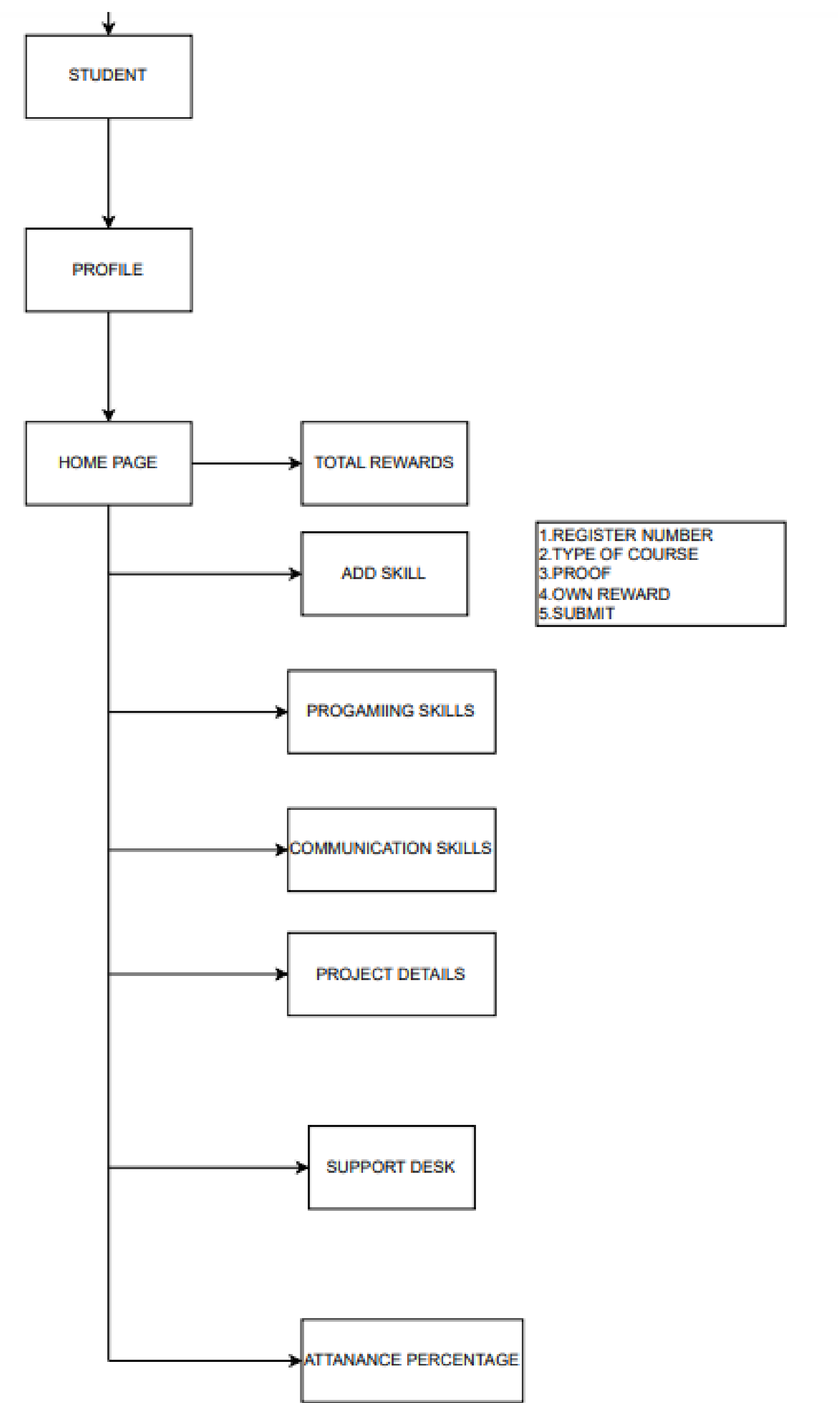
## Requirement:

- 1.Students database
- 2.Faculty Database
3. Category of skills
  - 1.Hardware
    - Circuit Related
    - Design Related
    - Research Related
  2. Software
    - PS- skills
  3. Online course
    - Certified courses List
    - Nptel
  4. Project domains
    - Hardware
    - Software
4. Student Attendance Percentage
5. Discipline Committee report

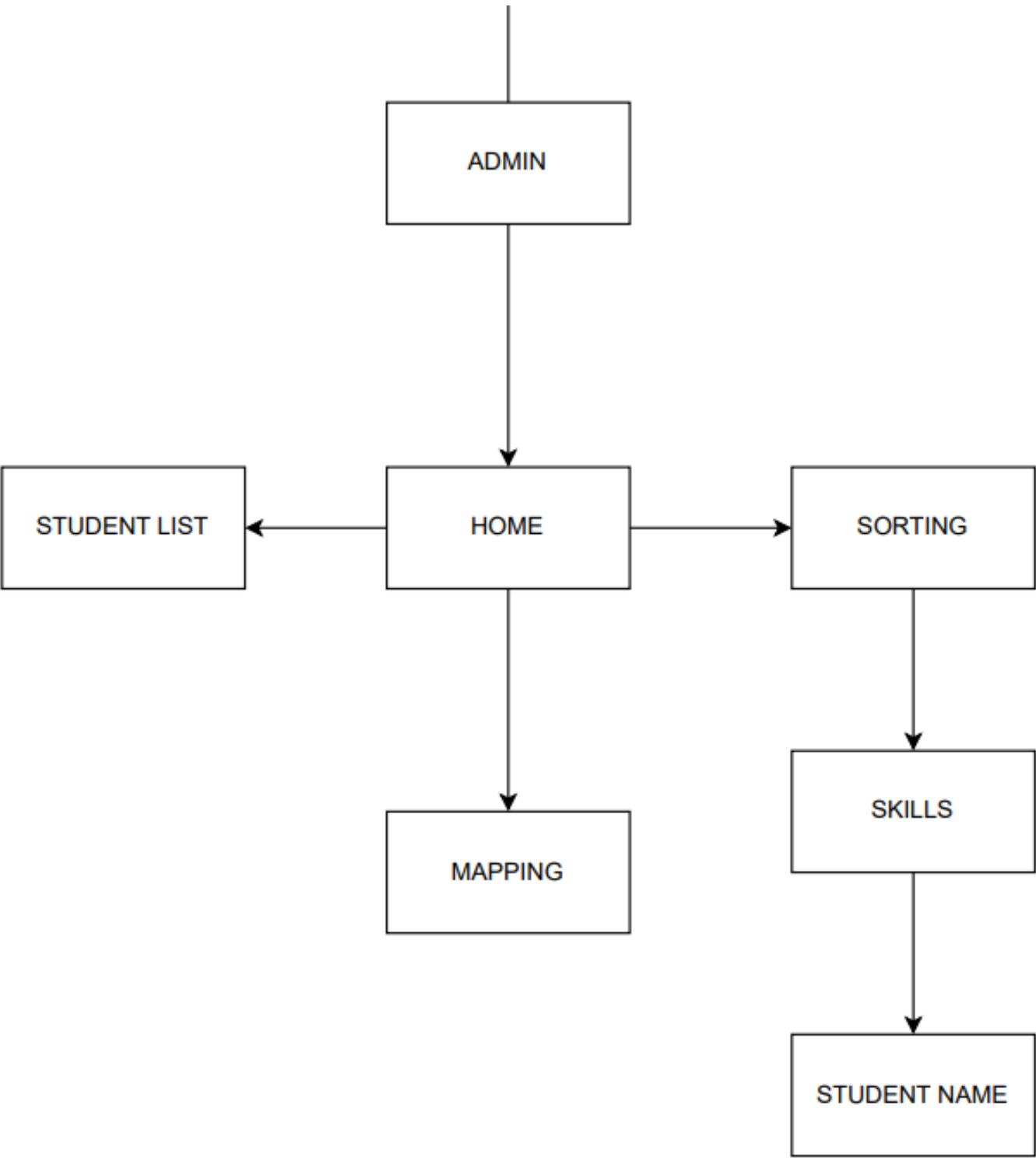
## FLOW CHART



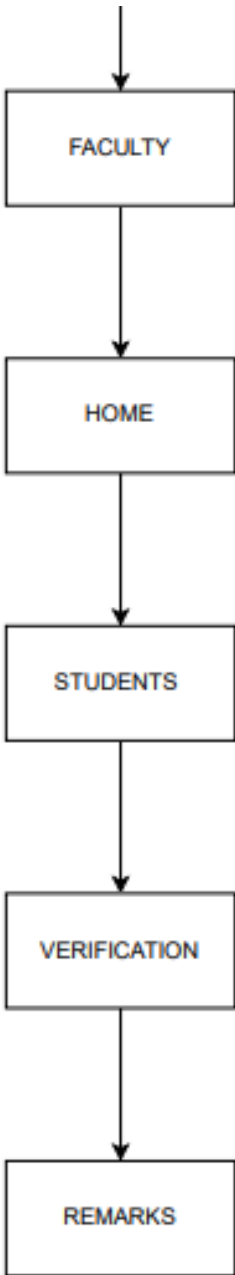
STUDENTS:



ADMIN:



FACULTY MEMBERS:



ER-Diagram :

