

# Basic Details of the Team and Problem Statement

Ministry/Organization Name/Student Innovation:

Ministry of education

PS Code: 1434

**Problem Statement Title:** Making career choices and AI based counselling accessible to every child at secondary level along with aptitude tests and detailed career paths.

**Team Name:** AIML Alchemists

**Team Leader Name:** Aditya Jha

**Institute Code (AISHE):** S-1801

**Institute Name:** Government Polytechnic Mumbai

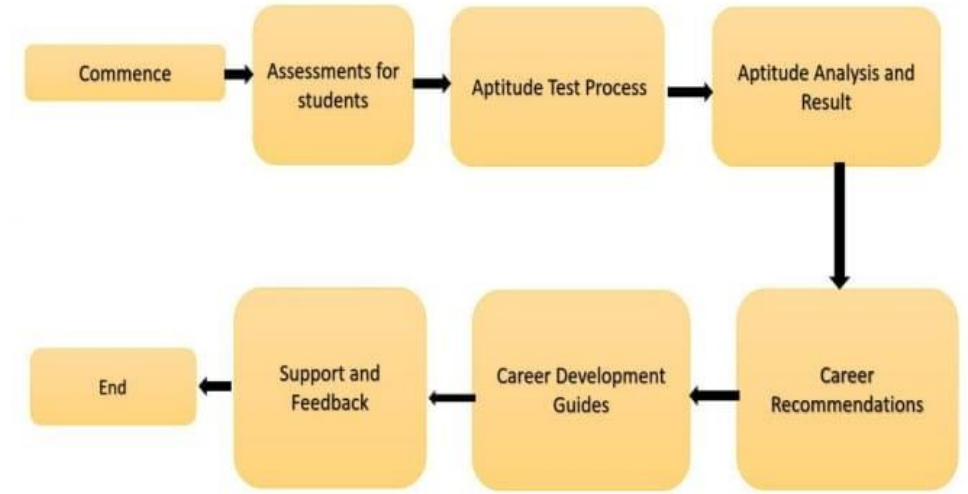
**Theme Name:** Smart Education





# Idea/Approach Details

- Our solution contains an app which will take the aptitude test of students and guide them the right path for career opportunities according to their wish. Here are some approach ways for our design:
- **Data Collection:**
  - Ethical **web scraping** and **reliable database access**.
  - Gather data from industry reports for accuracy.
- **Data Processing and Analysis:**
  - Utilize **Pandas**, **NumPy**, and **machine learning algorithms**.
  - Recognize patterns and assess user aptitude effectively.
- **Privacy and Compliance:**
  - Anonymize user data, **prioritizing privacy**.
  - Adhere strictly to data protection laws like **GDPR(General Data Protection Regulation)**.
- **User Experience:**
  - Intuitive UI design for **seamless navigation**.



## Technology stack:



# Idea/Approach Details

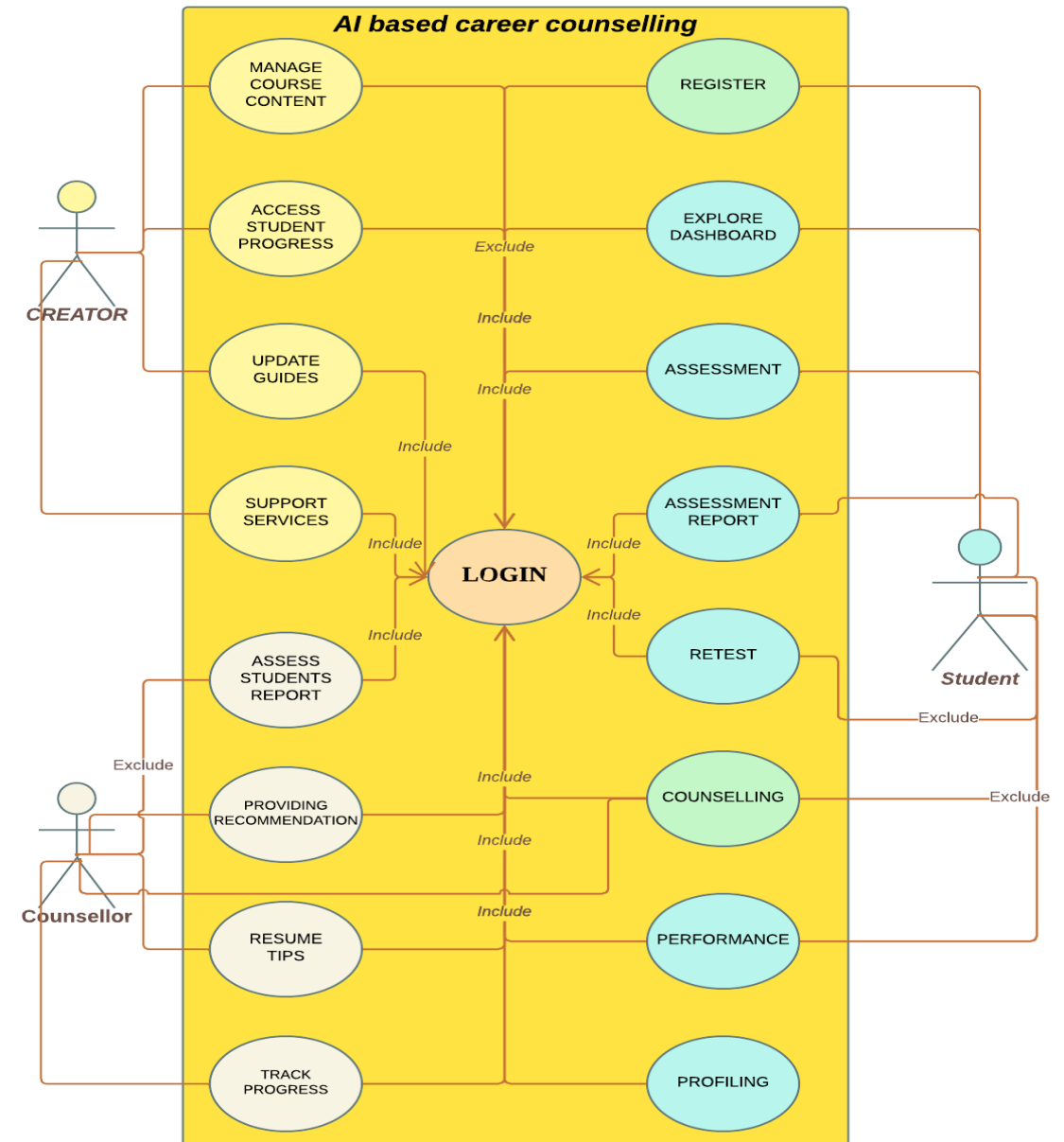
## Dependencies

- Internet Connection
- Data
- Connections with the professors
- Help of the counsellors



## Major Showstoppers

- **Financial recourses.**
- **Access to Technology:** Ensuring that every child has the access to **proper internet connection** and the application can be a **potent showstopper**.
- **Data Privacy and Security:** Handling students' **personal data** can be a **huge task** as its practically invading their privacy.
- **Teacher and Counselor Involvement:** The **teachers** and **counselors** will have to **cooperate** with us in order for this project to **function smoothly**.



# Team Member Details

**Team Leader Name:** Aditya Jha

Branch: **Diploma**

Stream: **AIML**

Year: **1st Year**

**Team Member 1 Name:** Rutuja Morankar

Branch: **Diploma**

Stream: **AIML**

Year: **1st Year**

**Team Member 2 Name:** Pranjal Sutar

Branch : **Diploma**

Stream: **AIML**

Year: **1st Year**

**Team Member 3 Name:** Nikhil Sawant

Branch : **Diploma**

Stream: **AIML**

Year: **1st year**

