



PARSHVANATH CHARITABLE TRUST'S

# A.P. SHAH INSTITUTE OF TECHNOLOGY

Department of Computer Science and Engineering

Data Science

## **Prodigy's Pursuit: Personalized Data-Driven Career Counselling System**

Student ID	Group Members
21107019	Riya Rajesh Sawant
21107066	Sanika Shelke
21107048	Veena Sharma
21107032	Janvi Sharma

**Project Guide:  
Prof. Rajashri Chaudhari**

# Contents

- Introduction
- Objectives
- Scope
- Features / Functionality
- Project Outcomes
- Technology Stack
- Block Diagram

# 1. Introduction

- Problem Identified :

A lot of people pursue engineering without knowing the various job opportunities they might acquire after learning a said set of skills. Due to the lack of proper guidance individuals often tend to settle for something menial and remain dissatisfied with their careers.

- Solution Proposed :

Based on the user's skillset we will help them decide what part of engineering are you best suited for. This can help them make informed decisions about their career leading to greater job satisfaction, better job performance and increased earning potential.

## 2. Objectives

1. To help students choose and proceed on an optimal career path based on their ability, desire and available opportunities.
2. To help the students in their period of turmoil and confusion.
3. To help in the proper choice of courses.
4. To help students to determine the next steps and develop a plan to achieve their goals.
5. To help training and placement cells better assist students in job opportunities based on their learning outcomes.

# 3. Scope

1. Can be applied in universities.
2. Can be useful to students.
3. Can be useful for training and placement cells in colleges.



## **4. Feature /Functionality**

### **1. Take Assessment -**

Focuses on evaluating knowledge, skills and personality traits of the user. The test offers a convenient and efficient way to analyse an individual's capabilities.

### **2. Explore Fields -**

Exploring different engineering fields based on criteria such as their respective job opportunities, description and salary described precisely.

### **3. Course Outlets -**

Top 5 online courses that offer certifications are provided based on the outcome of the assessment test.

### **4. Other features -**

Other features include a to do list for academic advancement of a user.

## 5. Outcome of Project

1. User can sign in and sign up.
2. Users can take assessments to analyse their skillset and get an outcome based on the same.
3. Users can explore various career opportunities in the field of engineering.
4. Based on the outcome of the assessment the users can explore various career outlets where they can advance in any given field.
5. Other features such as to do list allow the user to develop academically.

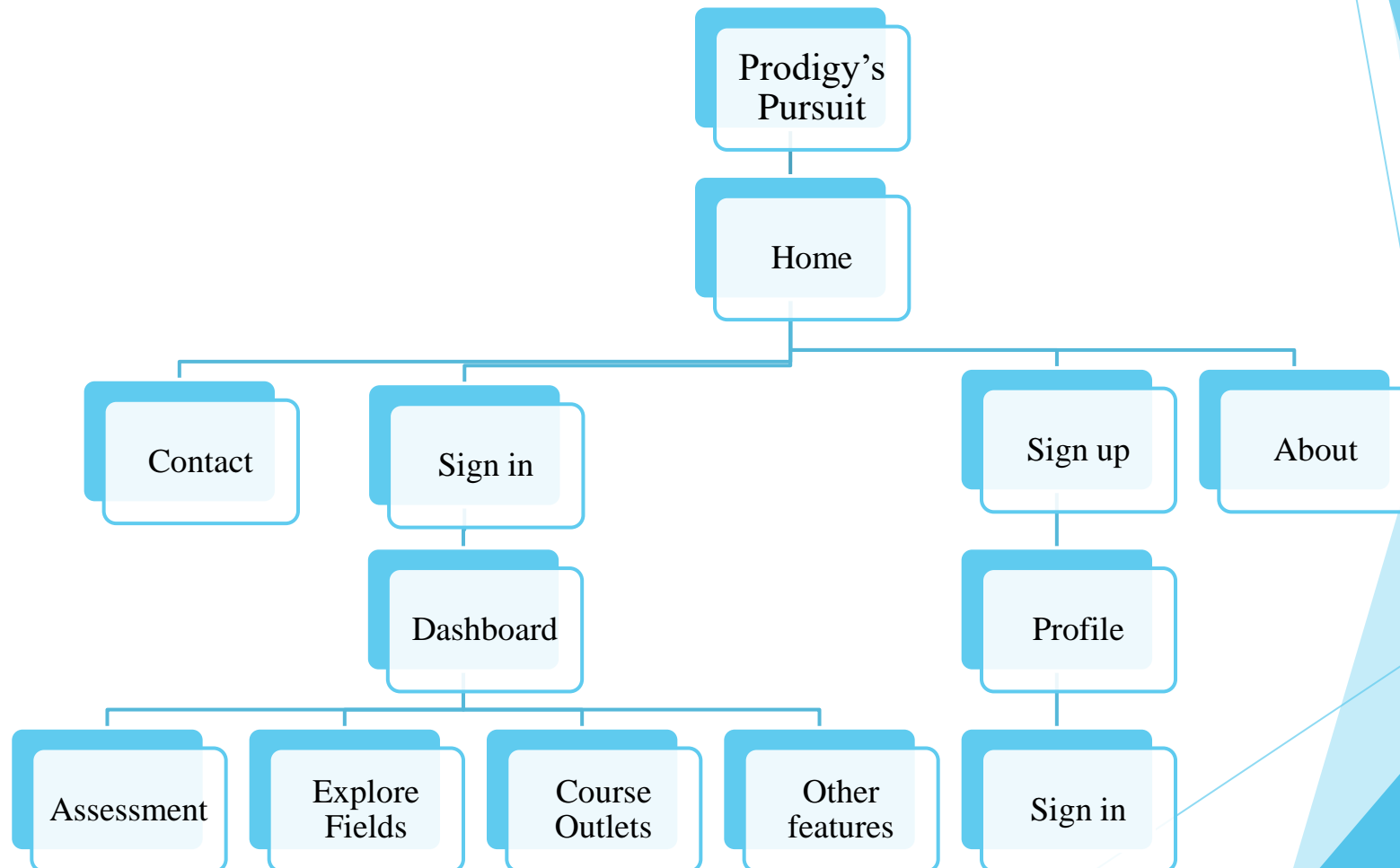
# 6. Technology Stack

Tools used for the development of the frontend (GUI) and backend (database)

1. Python 3.10
2. PyCharm Community Edition 2022.1.3
3. MySQL Workbench 8.0 CE



# 7. Block Diagram



Thank You!

