Breadth Recommendation System

HurdleHackers

Introduction:

The Breadth Selection App is designed to help students easily select their breadth courses. It utilizes modern web technologies such as Vite for the frontend, Supabase for the database, Supabase authentication for user authentication, and Render for hosting the website.

Features:

1. **Filtering:** Students can filter courses based on subject codes, grading, and the number of students taking the course.
2. **User Authentication:** The app uses Supabase authentication to secure user accounts and ensure that only authorized users can access the app.
3. **Responsive Design:** The website is designed to be responsive, ensuring that it looks and functions well on a variety of devices, including smartphones, tablets, and desktop computers.

Implementation Details:

- **Frontend:** Built using Vite, the frontend of the app is designed to be fast and efficient, providing students with a smooth and seamless user experience.
- **Backend:** Supabase is used as the backend database, storing course information and user data securely.

- **Hosting:** The website is hosted on Render, ensuring high availability and scalability.

- **Google Colab:** Used for data management ant various operations on data.

Future Enhancements:

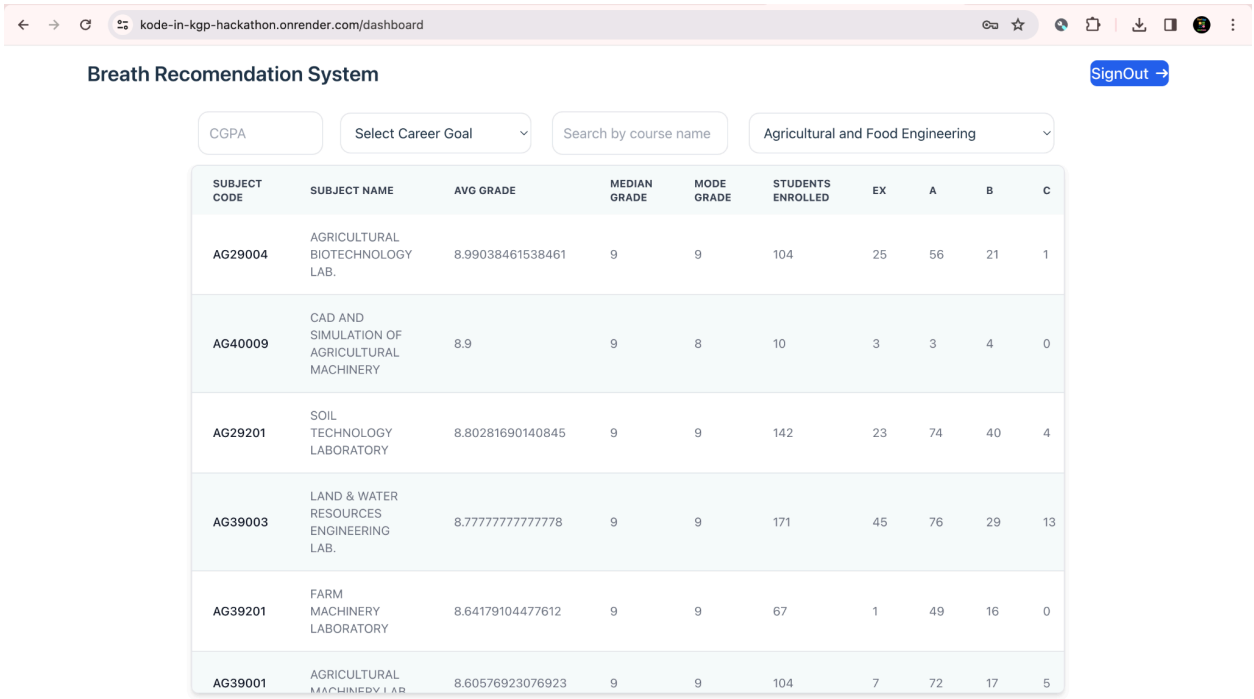
- **Improved Filtering:** Enhance the filtering options to provide students with more flexibility in selecting their breadth courses.

- **User Feedback:** Implement a feedback system to allow students to provide feedback on courses, helping future students make informed decisions.

- **Integration with Student Portal:** Integrate the app with the university's student portal to provide a seamless experience for students.

Conclusion:

The Breadth Selection App is a user-friendly and efficient tool for students to select their breadth courses. With its good design and robust features, the app is poised to become an essential tool for students navigating their academic journey.


kode-in-kgp-hackathon.onrender.com/dashboard
Breath Recomendation System
SignOut
CGPA
Select Career Goal
Search by course name
Agricultural and Food Engineering
SUBJECT CODE
SUBJECT NAME
AVG GRADE
MEDIAN GRADE
MODE GRADE
STUDENTS ENROLLED
EX
A
B
C
AG29004
AGRICULTURAL BIOTECHNOLOGY LAB.
8.99038461538461
9
9
104
25
56
21
1
AG40009
CAD AND SIMULATION OF AGRICULTURAL MACHINERY
8.9
9
8
10
3
3
4
0
AG29201
SOIL TECHNOLOGY LABORATORY
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9
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142
23
74
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4
AG39003
LAND & WATER RESOURCES ENGINEERING LAB.
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171
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76
29
13
AG39201
FARM MACHINERY LABORATORY
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9
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AGRICULTURAL
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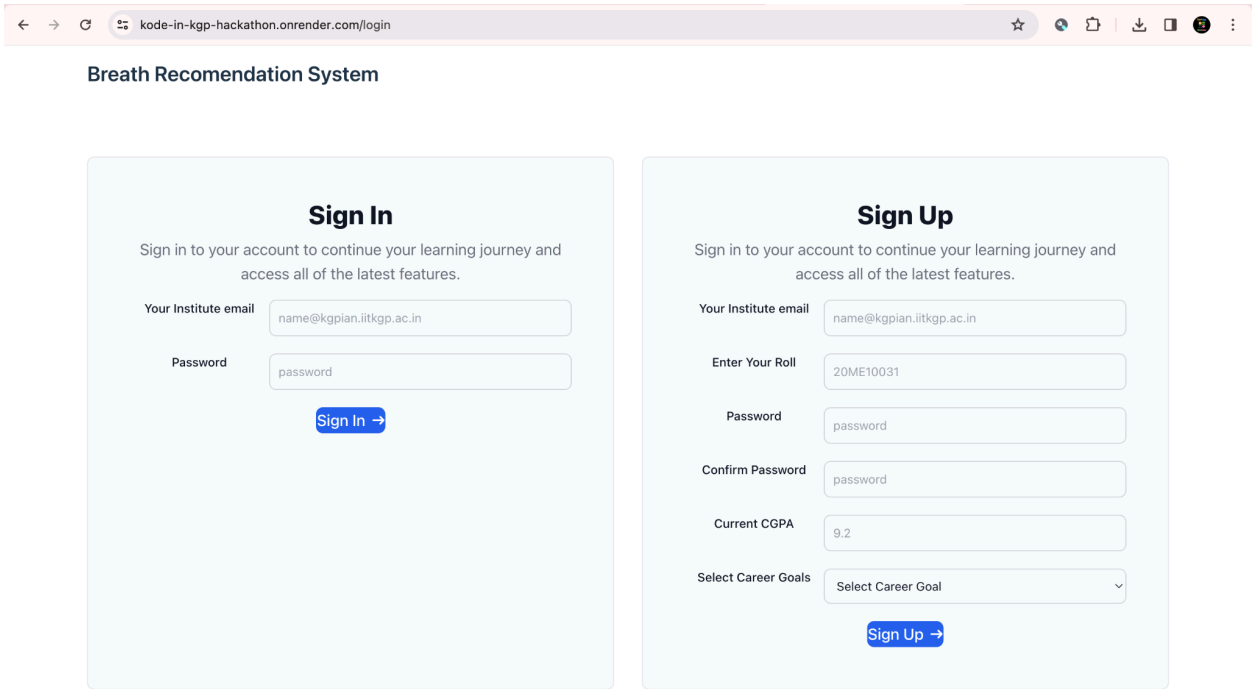
72
17
5


kode-in-kgp-hackathon.onrender.com/login
Breath Recomendation System
Sign In
Sign in to your account to continue your learning journey and access all of the latest features.
Your Institute email
name@kgpian.iitkgp.ac.in
Password
password
Sign In
Sign Up
Sign in to your account to continue your learning journey and access all of the latest features.
Your Institute email
name@kgpian.iitkgp.ac.in
Enter Your Roll
20ME10031
Password
password
Confirm Password
password
Current CGPA
9.2
Select Career Goals
Select Career Goal
Sign Up

Breath Recomendation System

SignOut →

CGPA | Select Career Goal | Search by course name | All Departments

SUBJECT CODE	SUBJECT NAME	AVG GRADE	MEDIAN GRADE	MODE GRADE	STUDENTS ENROLLED	EX	A
GG48016	FIELD WORK(ELECTRICAL RESISTIVITY SURVEY)	10	10	10	37	37	0
GG49008	SEDIMENTARY PETROLOGY LAB.	10	10	10	37	37	0
EX48014	FIELD GEOPHYSICS(SEISMIC METHODS)	10	10	10	24	24	0
HS40083	FOOD SECURITY AND POVERTY STUDIES	10	10	10	1	1	0
AE51010	EXPERIMENTAL STRESS ANALYSIS	10	10	10	1	1	0
MT41034	METALLURGICAL FAILURE ANALYSIS	10	10	10	1	1	0
CS41103	COMPUTATIONAL COMPLEXITY	10	10	10	1	1	0
ET30002	INTELLIGENT TUTORING SYSTEM	10	10	10	1	1	0