Project Centric Learning Final Report

Student career and health counselling web service

Project By

V Dheeraj Shenoy

USN: 22MSRPH022

MSc Physics

Gunjan Chakraborty

USN: 22MSRDS007

MSc Data science and Analytics

Dishank Gour

USN: 22MSRDF013

MSc Digital Forensics and Information Security

PCL Group 13

Under the Guidance Of

Dr. Pooja Varma *[Department of Psychology]*

Dr. Mebin Wilson Thomas *[Department of Forensic Science]*

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COUNSELR

Building your future, one step at a time

Abstract

Counselr is a career counseling website for students that analyses their aptitude for betterment of their future. Through this service, students can access a range of resources and services, including confidential counseling sessions with trained professionals, self-help tools etc.

Introduction

Our student career counselling website provides a platform designed to help students make informed decisions about their future careers. We understand that choosing a career path can be a daunting task, and that's why we're here to help.

Our website offers a range of resources and services to help students identify their strengths and interests, explore different career paths, and make informed decisions about their future. Whether you're a high school student trying to choose a college major, a college student preparing for a job search, or a working professional looking to transition to a new career, our website has something for everyone.

We offer a range of tools and resources to help students explore different career paths, including career assessments, job search tools, health counselling and educational resources. Our experience team of counsellors will also be available to provide personalized guidance and support to students who need it.

Our goal is to empower students to make informed decisions about their future careers. We believe that everyone deserves to find a career that is fulfilling and rewarding, and we're here to help you achieve that goal. So, whether you're just starting to explore different career paths or you're ready to take the next step in your career, we invite you to explore our website and discover all that we have to offer.

We recognize that academic pressures and life transitions can take a toll on mental health. That's why we provide dedicated resources and support for managing stress, anxiety, and depression. Our licensed counsellors offer confidential sessions to address your concerns and empower you to prioritize self-care and mental well-being.
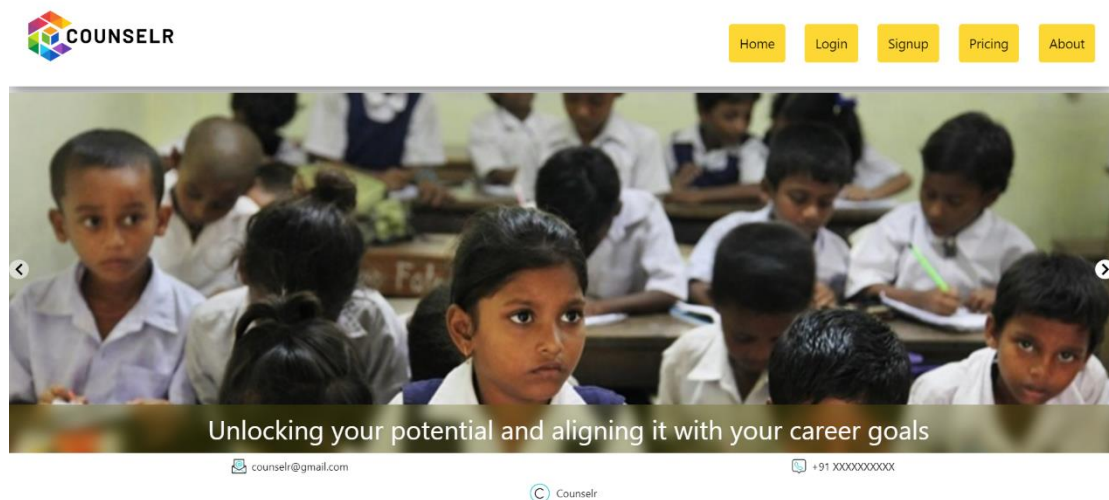
Methodology

- **Needs Assessment and Aptitude Test**: We will conduct a needs assessment using specialised aptitude test to understand the requirements and expectations of our target audience. This will involve gathering feedback from students, parents, teachers, and career counsellors to determine the types of resources and services that would be most helpful to them.

- **Develop Content and Test Materials**: Based on the need's assessment, we will develop a range of content to help students explore different career paths and make informed decisions about their future. This may include career assessments, job search tools, educational resources like test materials, course recommendation, and other relevant information.

- **User Experience Design**: We will design a user-friendly interface that makes it easy for students to navigate and find the information they need. This will involve conducting user testing to ensure that the website is intuitive and user-friendly.

- **Personalization**: We will provide personalized guidance and support to students who need it. This may involve offering one-on-.

- **Continuous Improvement**: We will regularly review and update the website to ensure that the content remains relevant and up-to-date. This may involve conducting surveys and gathering feedback from users to identify areas for improvement.

- **Partnership and Collaboration**: We will establish partnerships and collaborations with educational institutions, employers, and other relevant organizations to provide students with a broader range of resources and opportunities.

- **Data Privacy and Security**: We will prioritize data privacy and security to ensure that users' personal information is protected. This may involve implementing measures such as encryption, secure data storage, and regular security audits.

- **Collaborate with Doctors and Mentors**: Invite renowned doctors and mentors who specialize in health counselling and student mentorships.

- **Evaluate and improve the service:** Get feedback from the users of the service regarding the career counselling, user interface, ease of access to the services being provided and improve based on the feedbacks obtained from the users.

- **Professional Guidance:** Provide access to qualified counsellors who can offer personalized guidance and support. This could be through online chat sessions, email correspondence, or scheduled appointments.

- **Confidentiality and Privacy:** All interactions and information shared on the website are kept confidential and adhere to privacy regulations. Students should feel comfortable seeking help without worrying about their privacy being compromised.
- **Promotion and Outreach:** Promote the website through various channels such as social media, school newsletters, and student organizations. Outreach efforts can help increase awareness and usage of the service among the student population.
- **Partnerships:** Explore partnerships with schools, universities, and other organizations that focus on student well-being. Collaborating with these entities can help expand our reach and impact.
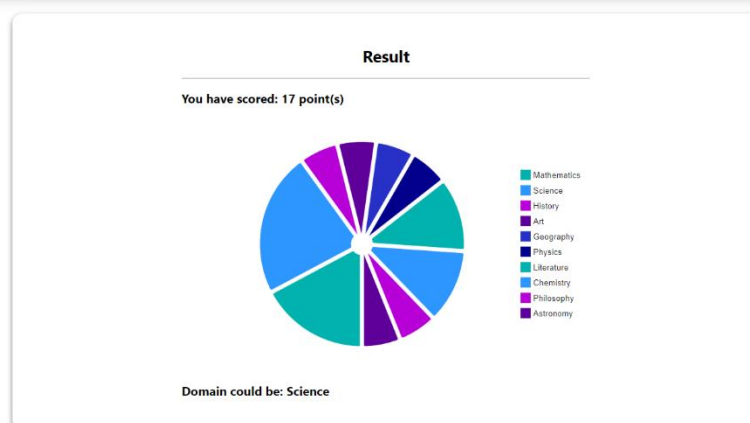
Work Progress

- We have finished building the website
- We have teamed up with psychology students to create optimal aptitude design.

The website has been built completely and has been hosted at counselr.netlify.app

Figure 1 Home Page of Counselr Website

Figure 2 *Aptitude Test results page with suggested domain of interest*

Expected outcomes

- **Greater Clarity and Confidence**: By providing students with a range of resources and services, including career assessments, job search tools, and personalized guidance, our website can help students gain greater clarity and confidence in their career choices.

- **Improved Decision-Making**: By helping students identify their strengths and interests and providing them with information about different career paths, our website can help students make more informed decisions about their future careers.

- **Enhanced Employability**: By providing students with job search tools and educational resources, our website can help students develop the skills and knowledge they need to be competitive in the job market.

- **Increased Satisfaction and Fulfilment**: By helping students find careers that align with their interests and values, our website can help students achieve greater satisfaction and fulfilment in their professional lives.

Learning Outcome

- Increased self-awareness of skills, interests, and values.
- Expanded knowledge of career options and industries.
- Improved career planning and goal-setting skills.
- Strengthened job search and application abilities.
- Enhanced networking and professional development skills.
- Increased confidence and motivation to pursue career goals.
- Improved decision-making skills for career choices.
- Knowledge of educational and training opportunities.
- Understanding of industry trends and advancements.
- Overall empowerment in managing one's career effectively.

Future Plan

- Develop interactive aptitude tests.
- Offer career coaching and mentoring.
- Create a community platform.
- Incorporate AI chatbots for immediate assistance.
- Partner with employers and recruiters.
- Provide online courses and workshops.
- Utilize data analytics for insights and improvements.
- Develop a mobile app for wider accessibility.
- Continuously improve and adapt to user needs.

Team Member Contributions

1. **V Dheeraj Shenoy**
   - Came up with the whole concept
   - Building the backend and frontend for the website
   - Designing the aptitude test and code for the test module
   - Creating the poster.

2. **Gunjan Chakraborty**
   - Helped with building the website
   - Creating the poster
   - Concept of onboarding psychiatrists and scheduling appointment

Poster

COUNSELR

BUILDING YOUR FUTURE, ONE STEP AT A TIME.

" *Counselr* is a career counseling website for students that analyses their aptitude for betterment of their future. Through us, students can access a range of resources and services, including confidential counseling sessions with trained professionals, self-help tools etc. "

Introduction

Our website is designed to provide you with all the resources and guidance you need to make informed decisions about your future. Whether you're still in high school, considering a gap year, or already in college, we have something for you.

Methodology

- Research and Analysis
- Develop Content and Test Materials
- Implement the Aptitude Tests
- Design and Build the Website
- Collaborate with Doctors and Mentors
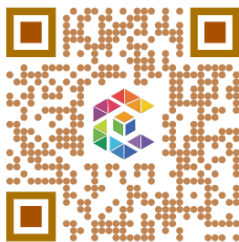- Evaluate and Improve the service

Expected outcomes

- Career path clarity and Confidence in Existing Skillls
- Improved Self-Awareness
- Enhanced Employability
- Improved Decision-Making

Results

- Website is completed and hosted.
- Teamed up with psychology students for aptitude question design.
- Optimized aptitude test for accurate analytics.

PCL Guide
Dr. Pooja Varma
Mebin Wilson Thomas

Team Contributions

V Dheeraj Shenoy
Concept, Website, UI, Aptitude Design, Poster

Gunjan Chakraborty
Website, Poster, UI, Onboarding Psychiatrists, Scheduling Appointment

References

1. "Designing the User Interface: Strategies for Effective Human-Computer Interaction" by Shneiderman and Plaisant.

2. National Career Development Association (NCDA) website (www.ncda.org).

3. "Career Development and Counseling: Theory and Practice in a Multicultural World" by Tang and Heppner.

4. The National Career Development Association's Career Resource Store (www.careerresourcestore.org).

5. "Building Websites All-in-One For Dummies" by Karlins.