

## Abstract

“In today’s academic landscape, students often struggle with limited access to mentorship, scattered resources, and the absence of a strong support network. SENECT addresses these issues by creating a centralized platform where students can connect with alumni to receive personalized guidance, access career development tools, and participate in vibrant online communities. By integrating one-on-one mentorship opportunities, professional networking, and community-building features, SENECT empowers users to share knowledge, build relationships, and thrive academically and professionally. Designed with a user-friendly interface and scalable infrastructure, this platform aligns with the needs of modern learners and alumni, fostering lifelong connections and collaborations.”

## Background

“In the contemporary academic environment, students frequently encounter challenges such as limited access to mentorship, dispersed resources, and a lack of robust support networks. Alumni, who possess valuable knowledge and experience, often remain underutilized due to the absence of platforms that facilitate meaningful connections. Existing solutions tend to focus on event updates or general networking, lacking sustained mentorship and personalized guidance. This gap underscores the need for a comprehensive platform that bridges students and alumni, fostering mentorship, career development, and community building.”

## Materials and Methods

“The development of SENECT adopts a user-centric approach to align with the needs of modern learners and alumni. The platform's front-end is crafted using HTML, CSS, and JavaScript, ensuring a visually appealing and responsive user interface. The back-end is built with Node.js and Express.js, facilitating seamless communication between users and the platform. For real-time data storage and retrieval, Firebase is utilized, providing reliability and scalability. Key features of SENECT include one-on-one mentorship programs, career development tools such as job postings and interview preparation resources, and community-building components like forums and event hosting.”

## Results

“ SENECT is anticipated to significantly enhance the university experience by improving academic and professional outcomes for students. The mentorship programs aim to offer personalized guidance, leading to better academic performance and increased career readiness. Alumni engagement is expected to strengthen the university community, fostering a sense of belonging among users. Students will benefit from streamlined access to career and academic resources, enabling them to achieve their goals more efficiently. Overall, SENECT seeks to bridge the gap between students and alumni, creating an interconnected ecosystem that benefits both groups.”

## Conclusion

“SENECT represents an innovative initiative designed to transform the student experience by fostering meaningful connections with alumni. By addressing the limitations of existing platforms and incorporating innovative features, SENECT emerges as a vital tool for mentorship, career development, and community building. It not only enhances the university experience but also ensures that both students and alumni remain connected and supported throughout their academic and professional journeys.”

## Future Direction

“Future enhancements for SENECT may include advanced analytics for personalized experiences, global networking opportunities, and additional resources like webinars and workshops. User feedback will be crucial for continuous improvement.”

## Acknowledgments

“We sincerely thank Prof. Kapil Sahu for his invaluable guidance, Prof. Monika Choudhary for her helpful suggestions, and Dr. Prashant Lakkadwala for his support. Our gratitude also extends to the faculty and staff of the Department of Information Technology at Acropolis Institute of Technology and Research, as well as our families, for their unwavering encouragement throughout this project.”