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Diversity in the College Classroom

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Uncovering the Hidden Contributions of Women and Minorities
in Real-Time Systems Scheduling Algorithms

1. Goals and Importance
	1. This project aims to uncover the underrepresented roles of women and minorities in the development of real-time systems scheduling algorithms in computer science.
	2. Understanding this history is important for promoting diversity, equity, and inclusion in the field and inspiring future generations.
2. Diversity-Related Issue/Challenge
	1. Limited representation and recognition of women and minorities in the development of real-time systems scheduling algorithms.
3. Literature Review
	1. "Real-Time Systems Scheduling" by N. Audsley and A. Burns (1995) – This review of real-time systems scheduling covers a variety of real-time systems scheduling applications. It is a bit dated, but it references contributions that have been critical building blocks that might not get much attention.
	2. "A Survey of Real-Time Scheduling on Multiprocessor Systems" by Z. Sun, et al. (2021) - This survey covers more recent work and classic results published decades ago that are still relevant.
	3. "Hard Real-Time Computing Systems: Predictable Scheduling Algorithms and Applications" by G. Buttazzo (2024) – This textbook discusses scheduling algorithms and includes plenty of references.
4. Intended Audience and Justification
	1. Computer science researchers, educators, students, and professionals interested in learning about the history and diversity of real-time systems scheduling algorithms.
	2. Individuals seeking to understand the importance of promoting diversity and inclusion in scientific disciplines, particularly computer science.
5. Approach and Supporting Literature
	1. Conducting a thorough literature review to identify instances of underrepresented women and minorities contributing to real-time systems scheduling algorithms throughout history.
	2. Analyzing primary sources such as academic articles, conference proceedings, and historical documents.
	3. Collaborating with experts in the field and reaching out to relevant communities for additional insights and information.
6. Assessment/Evaluation Plan
	1. Measuring the success of this project through the number and impact of newly identified contributions by women and minorities in real-time systems scheduling algorithms.
	2. Analyzing trends and patterns in representation and recognition throughout history, with a focus on potential contributing factors and recommendations for improvement.