



Sustainable Education: A Design Thinking Approach For Quality Education

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Abstract

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Abstract:

Education plays an important part in everybody life. As per the study, 92% of college students believe that colleges and universities should incorporate sustainability education into their curriculum. 82% of college students believe that sustainability is a critical issue facing society. This paper emphasizes on application of design thinking principles to create a sustainable education curriculum, focusing on teaching arrays in computer science. By addressing the needs of students and educators, the study aimed to make learning engaging and impactful. The process included primary research, SWOT (Strength, Weakness, Opportunities and Threats) analysis, and empathy mapping to identify key challenges, such as difficulty in differentiating sorting techniques. A Virtual Reality (VR) prototype is developed to offer an interactive, immersive learning experience, simplifying complex concepts and enhancing understanding. User feedback helped refine the VR tool, ensuring it was educational and accessible. The study demonstrates design thinking's potential to improve educational outcomes and make complex subjects more approachable.

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