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EXPLORING THE INTEGRATION OF AUGMENTED REALITY IN THE NATURE, STRUCTURE, AND DEVELOPMENT OF MODERN EDUCATION IN THE CONTEXT OF NEP 2020

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ABSTRACT

This article delves into the transformative potential of integrating Augmented Reality (AR) into modern education, particularly within the framework of the National Education Policy (NEP) 2020. It highlights the limitations of traditional education, lacking practical and interactive experiences, while emphasizing how modern education focuses on personalized learning, aligning well with AR's capabilities. By providing engaging and interactive experiences, AR enhances the nature of education, aiding visualization of complex concepts and improving information retention. Challenges to AR implementation in India, like limited infrastructure and resources, are discussed, but mitigated by the increasing accessibility of mobile devices and digital platforms, complemented by strategies like blended learning and gamification. The article explores AR's implications for education's development at all stages, emphasizing its potential for personalized and immersive learning experiences, ultimately revolutionizing the system and fostering effectiveness, efficiency, and inclusivity in education.

KEYWORDS: Augmented Reality, Modern Education, Integration, NEP 2020.

INTRODUCTION

Augmented Reality (AR) is a powerful technology that is transforming the way we interact with the world around us. With its ability to overlay digital information onto the real-world environment, AR is changing the face of modern education. AR has the potential to create immersive and interactive learning experiences, making education more engaging, memorable, and effective. In recent years, there has been a growing recognition of the significance of AR in modern education. The use of AR technology in education is expanding rapidly, with educators, researchers, and technologists exploring new ways to harness the potential of AR in teaching and learning. AR can help students visualize abstract concepts, understand complex processes, and apply theoretical knowledge in real-world scenarios.

The National Education Policy (NEP) 2020, which was launched by the Government of India, recognizes the importance of technology integration in education. The NEP 2020 emphasizes the use of technology to create personalized and flexible learning environments, where students can learn at their own pace and according to their interests and abilities. The NEP 2020 also emphasizes the need to develop critical thinking, problem-solving, and creativity among students, and technology integration can play a crucial role in achieving these goals. The NEP 2020 recognizes that AR technology has the potential to revolutionize education by providing learners with immersive and interactive learning experiences. AR can help learners explore and interact with the world around them, enabling them to gain a deeper understanding of complex concepts and develop practical skills. AR technology can also help bridge the gap between theoretical knowledge and real-world applications, facilitating the development of critical thinking and problem-solving skills.

In this paper, we will explore the integration of AR in the nature, structure, and development of modern education in the context of NEP 2020. We will discuss the potential implications of AR